Construction News

PRICES AND THE BUSINESS OUTLOOK

Business in general during the month of July continues in undiminished volume and prices on all engineering materials are holding exceptionally firm and in some cases it is difficult to place orders at the figures now prevailing. In a few instances, prices have shown an advance, due principally to the fact that labor conditions are so unsettled and freight conditions so complex.

On July 12, the Department of Commerce issued a bulletin covering the fiscal year's trade ending June, which showed that the total exports amounted to $4,345,000,000 and the imports $2,280,000,000, the total foreign trade aggregating $6,525,000,000. From these figures it is estimated that the exports are $1,577,000,000, or 57% larger than in the preceding year, and $1,981,000,000 or 83% larger than the year ending 1913-14. Moreover, the exports amount to about double the imports and show figures never approached before in the history of the country. The result of such phenomenal trade is principally due to the European war, and from the list showing the different totals, it is evident that the demand created for munitions of war and food supplies was the principal stimulus that brought about this result.

Prices on all steel products remain firm and show no change or tendency to move during the month. Reports from manufacturers prove that business is flowing in at the usual ebb with little sign of easing up. The only significant drop in the quotations published in this section is that on standard pipe, which shows a decline of practically $10 per ton. This came about as the price in spelter lowered, which naturally reflected lower quotations on galvanized material.

During the month the Bethlehem Steel Co. announced a very extensive construction program which will involve a total expenditure of over $70,000,000. In general, the work will comprise twelve new blast furnaces, at least one entirely new steel works, additions to steel-making capacity, finishing mills, including as well by-product coke plants, enlargement to shipyards, and better handling facilities. At Sparrows Point, Md., the largest improvements will be made, which are estimated to cost in the neighborhood of $30,000,000.

The advanced price on expanded metal lath was brought about by diminished stocks, and in order to meet the present demands, manufacturers are somewhat overtaxed, and were forced to increase the rate. On cement the market is firmer, due to the fact that the shortage of labor is so imminent. At the mills today, ordinary common labor is receiving $3.40 per day. In New York, sellers of gravel are well booked with orders far in advance and local conditions have brought out such a demand that prices are very steady.

Manufacturers of railway ties have been forced to adjust their prices by an advance of 2 cents because of the high cost of transportation by water and even at the present rate do not appear anxious to accept business at these new figures. The price on vitrified sewer pipe has advanced 1% in New York, principally because of the usual increase in summer business. Manufacturers are now getting together with an effort to submit a new net pricelist, but up to our going to press no definite action has taken place.

Less interest is shown in the metal market this month than in previous ones. Prices on all raw materials have receded, and even at the prevailing figures domestic business is light. Dealers have no cause to complain, however, as foreign business is being contracted for as usual.

Following is a list of contracts awarded, published by the F. W. Dodge Co., throughout the States of New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota and portions of Missouri and eastern Kansas:

January to Aug. 1, 1916	$711,005,246
January to Aug. 1, 1915	508,233,600
January to Aug. 1, 1914	454,579,300
January to Aug. 1, 1913	545,067,500
January to Aug. 1, 1912	482,577,500
January to Aug. 1, 1911	477,227,313
January to Aug. 1, 1910	526,425,460

Contracts awarded from New York State and northern New Jersey:

January to Aug. 1, 1916	$104,137,500
January to Aug. 1, 1915	87,661,000
January to Aug. 1, 1914	76,413,500
January to Aug. 1, 1913	181,254,500
January to Aug. 1, 1912	146,625,500
January to Aug. 1, 1911	143,380,500
January to Aug. 1, 1910	165,524,500

These figures show that throughout the territory covered there has been a gain for the past seven months of about $203,000,000 over 1915 and $166,000,000 over the best nearest year, which was 1913. In the local territory of New York State and northern New Jersey there has been a gain of about $16,500,000 over 1915 and is the best year since 1913, the years from 1910 to 1913 being larger than the present one. These figures compare very favorably with those for the first six months, which ran $183,000,000 over a year ago at that time for the larger territory, and were practically the same for New York and New Jersey. The larger gain seems to have been in the smaller territory, which shows about $29,000,000 more contracts awarded in August of this year than in July. From the larger territory, these figures show that contracts amounting to $114,421,660 were let during the month of August this year, and in New York State and northern New Jersey contracts were let for $29,215,000.

IRON AND STEEL

Track Supplies—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh	Chicago	St. Louis	San Francisco
Standard railroad spikes	$2.65@2.75	$3.25	$3.35	$4.20
Track bolts	3.25@3.50	4.05	Premium	4.75
Standard section angle bars	2.00	....	Premium	2.55@2.65

Pig Iron—Below are the present quotations, with a comparison of a month and a year ago:

CINCINNATI	Aug. 3, 1916	One Month Ago	One Year Ago
No. 2 Southern foundry	$16.90@17.90	$16.90@17.90	$13.00@13.50
No. 2 Northern foundry	19.76@20.26	19.76@20.26	14.25@14.75
NEW YORK			
No. 2X Northern foundry	19.75@20.25	19.75@20.25	14.25@14.50
No. 2 plain Northern foundry	19.50@20.00	19.50@20.00	13.75@14.00
No. 2 Southern foundry†	19.50@20.00	19.50@20.00	14.25
BIRMINGHAM			
No. 2 Southern foundry	14.00	14.00	10.00@10.25
CHICAGO			
No. 2 Northern foundry	19.00	19.00	13.00@13.50
PITTSBURGH			
Bessemer iron*	21.00	21.95	15.20
Basic iron*	18.00	18.95	13.95

*These prices include the freight charge from the valley to the Pittsburgh district. †Delivered tidewater, New York.

Structural Material—The following are the base prices f.o.b. mill, Pittsburgh, together with the quotations per 100 lb. from warehouses at the places named:

	Pittsburgh	St. Louis	New York	Chicago	San Francisco
Beams, 3 to 15 in.	$2.50@2.75	$3.15	$3.25	$3.10	$4.25
Channels, 3 to 15 in.	2.50@2.75	3.15	3.25	3.10	4.25
Angles, 3 to 6 in., ¼ in. thick	2.50@2.75	3.15	3.25	3.10	4.25
Tees, 3 in. and larger	2.50@2.75	3.15	3.30	3.10	4.25
Plates	2.90@3.00	3.55	4.00	3.50	4.75

Extras on other shapes and sizes in cents per lb. are as follows:

I-beams over 15 in.	.10
H-beams over 18 in.	.10
Angles over 6 in., on one or both legs	.10
Angles, 3 in. on one or both legs less than ¼ in. thick	.70
Tees, structural sizes (except elevator, handrail, car truck and conductor rail)	.05
Channels and tees, under 3 in. wide	.20 to .80
Handrail tees	.75
Cutting to lengths, under 3 ft. to 2 ft. inclusive	.25
Cutting to lengths, under 2 ft. to 1 ft. inclusive	.50
Cutting to lengths, under 1 ft.	1.55

No charge is made for cutting to lengths 3 ft. and over.

Steel Rails—The following quotations are per 100 lb. f.o.b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	Pittsburgh Aug. 3, 1916	Chicago Aug. 3, 1916
Standard bessemer rails	$33.00	$33.00
Standard openhearth rails	35.00	35.00
Light rails, 8 to 10 lb.	50.00	43.00
Light rails, 12 to 14 lb.	49.00	42.00
Light rails, 25 to 45 lb.	47.00	40.00

Old Material—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis and vicinity, the quotations are per net ton and cover delivery at the buyer's works, including frenght transfer charges:

	New York Aug. 3, 1916	New York One Month Ago
Heavy melting steel scrap	$12.00@12.25	$11.75@12.25
No. 1 railroad wrought	18.00@18.50	18.00@18.50
Stove plate	12.00@12.25	12.00@12.50
No. 1 machinery cast	16.00@16.25	16.50@17.00
Machine shop turnings	4.50@ 5.00	6.25@ 6.50
Cast borings	7.50@ 7.75	8.00@ 8.25
Railroad malleable cast	12.25	12.25@12.75

	Chicago Aug. 3, 1916	Chicago One Month Ago
No. 1 railroad wrought	$15.25@15.75	$14.75@15.25
Stove plate	9.25@ 9.75	9.25@ 9.75
No. 1 machinery cast	11.50@12.00	11.50@12.00
Machine shop turnings	5.50@ 6.00	5.50@ 6.00
Cast borings	6.00@ 6.50	5.50@ 6.00
Railroad malleable cast	11.25@11.75	11.50@11.75

	St. Louis Aug. 3, 1916	St. Louis One Month Ago
Heavy melting steel scrap	$14.50@15.00*	$14.50@15.00
No. 1 railroad wrought	15.00@15.50†	15.00@15.50
Stove plate	7.50@ 8.00†	8.00@ 8.50
No. 1 machinery cast	10.25@10.75†	11.50@12.00
Machine shop turnings	6.25@ 6.75†	5.50@ 6.00
Cast borings	5.75@ 6.25†	7.50@ 8.00
Railroad malleable cast	10.50@11.00†	11.00@11.50

*Gross ton. †Per net ton.

Cast-Iron Pipe—The following are prices per net ton for carload lots:

	New York	Birmingham	Chicago	St. Louis	San Francisco
4 in.	$34.00	$29.00	$33.50	$34.00	$39.00
6 in. and over	31.00	26.00	30.50	31.00	36.00

Gas pipe in 16-ft. lengths are $1 per ton extra.

Bars, Concrete Reinforcing—The following quotations are per 100 lb.:

In.	Mill Shipment, F.o.b. Pittsburgh	Warehouse: New York Aug. 3, 1916	St. Louis	Chicago
¾ and larger	$2.50	$3.25	$3.24	$3.10
⅝	2.55	3.35	3.29	3.15
½	2.60	3.40	3.34	3.20
⅜	2.75	3.65	3.49	3.35
¼	3.00	4.00	3.74	3.60

Steel Sheet Piling—The following price is base per 100 lb. f.o.b. Pittsburgh, with a comparison of a month and a year ago:

Aug. 3, 1916	One Month Ago	One Year Ago
$2.50	$2.50	$1.55@1.60

Nails—The following quotations are per keg from warehouse:

	New York	St. Louis	Chicago
Wire	$3.15	$2.95	$2.85
Cut	3.15	2.85	3.05

Pipe—The following table shows the comparison in discounts, with the net prices in cents per foot for carload lots f.o.b. mill:

	Black: Aug. 3, 1916	Black: One Year Ago	Galvanized: Aug. 3, 1916	Galvanized: One Year Ago
¾ to 2½ in. steel butt welded	70%	79%	55½%	57½%
3 to 6 in. steel lap welded	68%	78%	53½%	56½%
7 to 12 in. steel lap welded	65%	76%	49½%	54½%
Diameter, In.				
¾	3.45	2.42	5.12	4.89
1	5.10	3.57	7.57	7.23
1½	8.25	5.78	12.24	11.69
2	11.10	7.77	16.47	15.73
2½	17.55	12.29	26.03	24.86
3	24.48	16.83	35.57	33.28
4	34.88	23.98	50.69	47.42
5	47.36	32.56	68.82	64.38
6	61.44	42.24	89.28	83.52
7	83.30	57.12	$1.202	$1.083
8	87.50	60.00	1.454	1.138
9	$1.208	82.80	1.742	1.57
10	1.442	98.88	2.081	1.875
11	1.621	$1.111	2.338	2.107
12	1.775	1.217	2.56	2.307

From warehouses the following discounts hold:

	New York: Black	New York: Galvanized	Chicago: Black	Chicago: Galvanized
2½ to 6 in. steel lap welded	61%	41%	63.8%	48.8%
¾ to 3 in. steel butt welded	64%	47%	65.8%	50.8%
7 to 12 in. steel lap welded	55%	29%	60.8%	44.8%

Malleable fittings, Class B and C, from New York stock, sell at 30 and 5% from list price. Cast iron, standard size, 55%.

Sheets—Quotations are in cents per pound in various cities from warehouse, also the base quotation from mill:

Blue Annealed	Large Lots, Pittsburgh	St. Louis	Chicago	San Francisco	New York
No. 10	3.00@3.25	3.45	3.25	5.00	4.25
No. 12	3.05@3.30	3.50	3.30	5.05	4.30
No. 14	3.10@3.35	3.55	3.35	5.10	4.35
Black					
Nos. 18 and 20	2.70@2.80	3.10	3.00	4.75	3.45
Nos. 22 and 24	2.75@2.85	3.15	3.05	4.80	3.50
No. 26	2.80@2.90	3.20	3.10	4.85	3.55
No. 27	2.85@2.95	3.25	3.15	4.90	3.60
No. 28	2.90@3.00	3.30	3.20	4.95	3.65
Galvanized					
No. 10	3.25@3.35	5.30	4.70	5.34	...
No. 12	3.35@3.45	5.30	4.70	5.39	4.50
No. 14	3.35@3.45	5.30	4.70	5.39	4.50
Nos. 18 and 20	3.60@3.70	5.30	4.90	5.73	4.80
Nos. 22 and 24	3.70@3.80	5.40	5.05	5.92	4.55
No. 26	3.85@3.95	5.40	5.20	6.07	...
No. 27	4.10@4.20	5.40	5.35	6.20	...
No. 28	4.25@4.35	5.40	5.50	6.41	5.00

Chain—Price per 100 lb.:

In.	Chicago	New York: July 6, 1916	New York: One Year Ago	San Francisco
3/16	$9.40	$10.10	$7.50	$14.00
¼	6.85	7.55	4.95	10.25
5/16	5.85	6.55	3.95	9.25
3/8	5.00	6.00	3.40	7.90
7/16	5.15	5.80	3.20	7.75
½ and 9/16	5.00	5.60	3.00	7.55
5/8 and 11/16	4.90	5.50	2.90	7.25
¾ and 13/16	4.80	5.40	2.80	7.20
⅞ and 15/16	...	5.30	2.70	7.20
1 to 1¼	...	5.20	2.60	7.20

EXTRAS TO ABOVE LIST PER 100 LB.

	For BB	For BBB
3/16 in. and ¼ in.	$1.50	$2.00
5/16 in. and larger	1.25	1.75

Rivets—Price per 100 lb.:

	Structural Mill, Pittsburgh	Warehouse: New York	Chicago	St. Louis
¾ in. and larger	$4.00	$5.25	$3.50	$3.55
Cone Head Boiler				
¾ in. and larger	4.10	5.35	3.60	3.65
⅝ and 11/16	4.25	5.50	3.75	3.80
½ and 9/16	4.60	5.85	4.10	4.15

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take anextra of 25c.

Triangle Mesh—Price per 100 sq.ft. for 4 in-mesh in carload lots:

Style No.	Cross-Sec. Area per Ft. Width	Plain: New York	Plain: St. Louis	Plain: Chicago	Plain: San Francisco	Galvanized: New York	Galvanized: St. Louis	Galvanized: San Francisco
4	0.102	$1.44	$1.54	$1.728	$1.91	$1.66	$1.76	$2.12
5	0.077	1.14	1.22	1.361	1.49	1.31	1.39	1.66
6	0.058	.90	.96	1.082	1.21	1.03	1.10	1.34
7	0.041	.70	.75	.847	.93	.81	.86	1.04
23	0.170	2.41	2.58	2.890	3.17	2.77	2.94	3.53
24	0.142	2.08	2.23	2.545	2.72	2.39	2.54	3.03
25	0.124	1.84	1.97	2.204	2.41	2.12	2.25	2.69
26	0.110	1.68	1.80	2.008	2.21	1.93	2.05	2.46
27	0.085	1.37	1.47	1.650	1.81	1.58	1.68	2.01
28	0.066	1.14	1.22	1.324	1.49	1.31	1.39	1.66
29	0.049	.94	1.01	.972	1.25	1.08	1.15	1.39
31	0.261	3.55	3.80	5.245	4.70	4.08	4.33	5.23
32	0.225	3.08	3.29	4.726	4.08	3.54	3.76	4.54
33	0.196	2.75	2.94	3.484	3.61	3.16	3.35	4.02
34	0.140	2.11	2.26	2.562	2.78	2.43	2.58	3.09
35	0.109	1.68	1.80	2.001	2.21	1.93	2.05	2.46
36	0.075	1.24	1.33	1.342	1.62	1.42	1.51	1.81
38	0.380	5.06	5.42	6.067	6.67	5.81	6.17	7.42
39	0.325	4.36	4.67	5.824	5.75	5.01	5.32	6.40
40	0.283	3.82	4.09	5.462	5.02	4.39	4.66	5.59
41	0.208	2.91	3.12	3.533	3.86	3.35	3.56	4.30
42	0.151	2.21	2.37	2.654	2.93	2.54	2.70	3.27
43	0.101	1.57	1.68	1.992	2.09	1.81	1.92	2.32

Less than carload lots this material is about 10% higher.

Wire Rope—Discounts from list price on bright and galvanized are as follows:

	New York	St. Louis	Chicago	San Francisco
Galvanized	25—2½%	25—2½%	25—2½%	22½%
Bright	35—2½%	40—2½%	30—2½%	32½%

At this rate the net prices in New York for galvanized, 7 wires to strand, are as follows per 100 lb.:

Diameter, In.		Diameter, In.	
½	$4.40	1¼	$18.30
⅝	5.90	1⅜	20.80
¾	6.60	1½	25.60
⅞	9.50	1⅝	27.80
1	11.00	1¾	32.20

Expanded Metal Lath—Prices per 100 yd. for painted are as follows:

Gage	Weight	Carload: New York	Chicago	St. Louis	San Francisco
27	233	$17.00	$16.50	$18.00	$16.00
26	250	18.00	17.50	19.00	17.25
25	300	19.00	18.50	....	18.75
24	340	20.00	19.50	21.00	20.00
22	450	23.00	22.50	....	23.50

About 10% additional for smaller quantities. For galvanized, New York, add $7, and $5 for tuncan. For galvanized, San Francisco, add $10, and $4.50 for tuncan.

Freight Rates—On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb.:

Baltimore	15.40	Minneapolis	32.90
Boston	18.90	New Orleans	30.00
Buffalo	11.60	New York	16.90
Chicago	18.90	Pacific Coast (all rail)	73.90
Cincinnati	15.80	Philadelphia	15.90
Cleveland	10.50	St. Louis	23.60
Denver	68.60	St. Paul	32.90
Kansas City	43.60	Omaha	43.60
Birmingham	45.00		

CEMENT, BRICK AND STONE

Portland Cement—These prices are for barrels in carload lots in cotton bags; 10c. allowed for return of each bag:

	Aug. 3, 1916	One Month Ago	One Year Ago
New York	$1.72	$1.72	$1.43
Jersey City	1.66	1.66	1.24
Boston	1.92	1.92	1.66
Chicago	1.81	1.81	1.51
Pittsburgh	1.81	1.81	1.45
Cleveland	1.94	1.94	1.60
Detroit	1.90	1.90	1.60
Indianapolis	1.94	1.94	...
Toledo	1.94	1.94	...
Milwaukee	1.93	1.93	...
Minneapolis	2.08	2.08	1.77
Duluth	1.96	1.96	1.77
Peoria	1.89	1.89	...
Cedar Rapids	2.00	2.00	...
Davenport	1.90	1.90	...
St. Louis	1.85	1.86	...
San Francisco	2.30	2.30	...

Curbing—Prices per linear foot are as follows:

New York	5x16	$0.40
	5x20	.45
Chicago	6x18	.45
St. Louis	5x16	.75
San Francisco	5x16	.75
	5x20	.90

Crushed Stone—Price for cargo or carload lots is as follows:

	1½ In.	¾ In.	
New York	$0.85@0.90	$0.95@1.00	cu.yd.
Chicago	1.10	1.10	cu.yd.
St. Louis	1.00	1.00	cu.yd.
San Francisco	1.00	1.00	cu.yd.

Brick—The price per 1,000 in cargo or carload lots is as follows:

	Common	Paving
New York	$7.75@8 25	block $25.50
		brick 15.25
Chicago	6.00	12.00
St. Louis, salmon	6.00	
St. Louis, selected	9.00	block 16.50
San Francisco	10.00	block 30.00

Sand and Gravel—Price for cargo or carload lots is as follows:

	Paving	Gravel 1½ In.	Gravel ¾ In.	Sand
New York	$1.25	$0.90	$1.00	$0.50 per cu.yd.
Chicago	....	.85	.85	.85 per cu.yd.
St. Louis	....	.70	.70	.60 per cu.yd.
San Francisco	....	1.00	1.00	.90 per cu yd.

Paving Stone—

New York	Manhattan	$2.40 sq yd.
	Other boroughs	2.20 sq yd.
Chicago	About 4x8x5 dressed	2.15 sq.yd.
	About 4x8x5 common	1.65 sq.yd.
San Francisco	Basalt block 4x7x8	55.00 per M

Flagging—

New York	Bronx	$0 17 sq.ft.
	Manhattan	.17 sq.ft.
	Queens .5 ft. square	.18 sq.ft.
Chicago	18 in. wide	.60 lin.ft.

MISCELLANEOUS

Railway Ties—For fair-size orders, the following prices per tie hold:

	Material	7 In. by 9 In. by 8 ft. 6 In.	6 In. by 8 In. by 8 Ft.
New York	Yellow Pine	$0.97	$0 82
St. Louis	White Oak	.72	.61
Chicago	White Oak	.90	.80
San Francisco	Long Fir	.75	.51
		creos. 1.34	creos. .90

Lumber—Price per M in carload lots:

Square Edge and Sound Green

Southern Pine—New York:

	20 Ft. and Under	22-24 Ft.	26 Ft.	28 Ft.	30 Ft.	32 Ft.
3x 4 to 8x 8	$26.50	$27.50	$28.50	$28.50	$29.50	$29.50
3x10 to 10x10	27.50	28.50	29.50	29.50	30.50	30.50
3x12 to 12x12	30.50	31.50	32.50	32 50	33.50	33.50
3x14 to 6x14	32.50	33.50	34.50	34.50	35.50	35.50
7x14 to 14x14	32.50	33.50	34.50	34.50	35.50	35.50
3x16 to 6x16	34.50	35 50	37.50	37.50	39.50	38.50
7x16 to 16x16	34.50	35.50	37.50	37.50	39.50	38.50
3x18 to 8x18	36.50	37.50	39.50	39.50	41.50	41.50
8x18 to 18x18	36.50	37.50	39.50	39 50	41.50	41.50
4x20 to 20x20	39.00	40.00	42.00	42.00	44.00	44.00

Southern Pine—St. Louis:

3x 4 to 8x 8	$20.70	$21.75	$22.75	$22.75	$23.75	$23.75
3x10 to 10x10	21 75	22.75	23.75	23.75	24.75	24.75
3x12 to 12x12	24.75	25.75	26.75	26.75	27.75	27.75
3x14 to 6x14	26.75	27.75	28.75	28.75	29.75	29.75
7x14 to 14x14	26.75	47.75	28.75	28.75	29 75	29.75
3x16 to 6x16	28.75	29.75	31.75	31.75	33.75	32.75
7x16 to 16x16	28.75	29.75	31.75	31.75	33.75	32.75
3x18 to 8x18	30 75	31.75	33.75	33.75	35.75	35.75
8x18 to 18x18	30.75	31.75	33.75	33.75	35.75	34.75
4x20 to 20x20	33.25	34.25	36.25	38.25	38.25	38.25

No. 1 Common Rough Douglas Fir—San Francisco:

Size in Inches	15 Ft and Under	16 to 24 Ft.	25 to 32 Ft.
3 and 4x 4	$14.00	$15.05	$15.75
3 and 4x6 and 8	14.00	14.35	15.05
6x6 to 8x8	14.35	15.05	16.45
3 and 4x10	14.00	15.05	15.75
6 and 8x10	14.70	15 40	15.40
10x10	14.70	14.70	16.10
3 and 4x12	14.00	15.05	15.75
6 and 8x12	15.05	15.75	15 75
10 and 12x12	14.70	14.70	16.10
3 and 4x14	14.70	16.10	16.80
6 and 8x14	15.75	16.45	16.45
7 and 9x14	16.45	17.15	17.15
10 and 12x14	15.40	15.40	16.80
14x14	14 70	14.70	16.10
3 and 4x16	15.40	17.15	17.85
6 and 8x16	16.80	17.50	17.50
7 and 9x16	17.50	18.20	18.20
10 and 12x16	16.10	16.10	17.50
14 and 16x16	14.70	14.70	16.10
3 and 4x18	16.10	18.20	19.60
6 and 8x18	17.15	18.90	18.90
7 and 9x18	17.85	19.60	19.60
10 and 12x18	16.80	16.80	18.20
14 and 16x18	15.40	15.40	16.80
18x18	16.10	16.10	17.50
3 and 4x20	15.40	19.25	20.65
6 and 8x20	18.55	20.30	20.30
10 and 12x20	17.50	17.50	18.90
14 and 16x20	16.10	16.10	17 50
18 and 20x20	16.80	16.80	18.20

Over 32 ft—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12x12 and under; for sizes over 12x12 add $2. For merchantable add $2 to sizes 10x10 and under. For prime add $2 to the price of merchantable for all sizes.

Clay Drain Tile—The following prices are per 1,000 lin.ft.:

Size, In.	New York	St. Louis	Chicago	San Francisco
3	$22.50	$16.00	$15.00	$23.00
4	32.50	18 00	18.00	36.00
5	47.50	25.00	23.00	52.50
6	57.50	35.00	27.00	76.00
8	97.50	65.00	55.00	120.00

Sewer Pipe—The following prices are in cents per foot for carload lots:

Size, In.	New York Aug. 3, 1916	New York One Year Ago	St. Louis	Chicago	San Francisco
3	7.25	4.50	....	5.50	6 00
4	7.25	4.50	....	5.50	8.00
5	12.00	7.20	....	8.80	10.00
6	12.00	7 20	8.25	8.80	12.00
8	16.50	9.90	13.50	12.10	18.00
10	24.00	14.40	18.00	17.30	27.00
12	30.00	18.00	24.50	22.00	33.75
15	40.50	24.30	35.00	29.70	....
18	57.00	34.20	52.50	41.80	67.50
20	67.50	40 50	70.00	49.50	87.50
22	90.00	54.00	84.00	66.00	$1.05
24	97.50	58.50	$1.00	71.50	1.25
27	$1.665	$1.26	1.30	$1.44	1.75
30	2 035	1.54	1.70	1.76	2.00
33	2.625	2.06	2.25	2.31	....
36	2.94	2.31	2.50	2.73	....

Hollow Tile—Hollow building tile price per block in cents:

	New York	Chicago	St. Louis	San Francisco
4x12x12 in.	.065	.064	.054	.07
6x12x12 in.	.091	.093	.066	.09½
8x12x12 in.	.11	.108	.09	.12
10x12x12 in.	.13	.127	.15	.15
12x12x12 in.	1625	.146	.18	.18

Fireproof partition blocks price per block in cents:

2x12x12 in.	.046	.041	.024	..
3x12x12 in.	.046	.042	.036	.08
4x12x12 in.	.052	.045	.048	.08½
6x12x12 in.	.078	.061	.066	.11½
8x12x12 in	...	...	.085	.14

Above prices should be for more than carload lots. These quotations are f.o.b. factory near Perth Amboy.

Asphaltum—Price per ton in packages:

	Brand	
New York	Mexican	$19.50
Chicago	Mexican	21.50
Kansas City	Mexican	21.50
Denver	California	21.50
San Francisco	California	10.50

Flue Lining—Price per foot in cents for carload lots:

	New York	Chicago	St. Louis	San Francisco
4½x 8½ in.	9.80	10.00	11.00	15.00
4½x13 in.	12.60	14.00	15.00	22.50
7½x 7½ in.	11.20	....	....	....
8 x 8½ in.	12.60	14.00	14.00	20.00
8½x13 in.	18.20	18.00	18.00	27.50
8½x18 in	25.20	30.00	28.00	37.50
12 x16 in.	....	....	....	45.00
13 x13 in.	23.80	....	....	....
13 x18 in.	33.60	40.00	40.00	52.50
14 x16 in	....	....	....	47.50
16 x16 in.	....	....	....	67.50
18 x18 in.	56.00	50.00	60.00	....

Wood Block Paving—In carload lots:

Chicago	4 in. block 16 lb. treatment	$1.85 sq yd.
St. Louis	4 in. block 16 lb. treatment	1.46 sq.yd.

White and Red Lead, in cents per pound, sell as follows:

	Red Dry	Red In Oil	White Dry and In Oil
100-lb keg	10 50	11.00	10 50
25- and 50-lb. kegs	10.75	11.25	10 75
12½-lb. keg	11.00	11.50	11.00
1- to 5-lb. cans	12 50	12.50	12 50

Linseed Oil—These prices are per gallon:

	New York Aug. 3, 1916	New York Three Months Ago	Cleveland Aug. 3, 1916	Cleveland Three Months Ago	Chicago Aug. 3, 1916	Chicago Three Months Ago
Raw in barrels	$0.71	$0.81	$0.73	$0.80	$0.71	$0.83
5-gal. cans	.81	.91	.83	.90	.81	.91

METALS

Miscellaneous Metals—The present quotations in cents per pound with a comparison of practically a month and a year ago are as follows:

	New York Aug. 3, 1916	New York One Month Ago	New York One Year Ago
Copper, electrolytic (carload lots)	27.00	28 00	19.00
Tin	38.00	39.00	41.00
Lead	6.50	7.00	5.50
Spelter	11.50	11.87½	18.25
ST. LOUIS			
Lead	6.37½	6.85	....
Spelter	11.37½	11.87½	..

Old Metals—In New York the following are the dealers' purchasing prices in cents per pound:

	Aug. 3, 1916	One Month Ago	One Year Ago
Copper, heavy and crucible	19.50	21.00	17.00
Copper, heavy and wire	18 50	20.00	16.62½
Copper, light and bottoms	15.50	17.00	14.50
Lead, tea	4.50	4.50	4.12½
Lead, heavy	5.00	5.00	4.87½
Brass, heavy	11.25	11.75	11.50
Brass, light	9.25	9.25	10.00
No. 1 yellow rod brass turnings	12.75	12.75	....
Zinc	7.50	8.00	14.00

RAILWAYS, STEAM AND ELECTRIC

Proposed Work

Massachusetts—Springfield St. Railway Co., Springfield, asked Council for permission to extend Carew St. trolley line, 1 mi. R. W. Reynolds, Springfield, Mgr.

Massachusetts—Springfield St. Ry., Springfield, plans new tracks on Center St. R. W. Reynolds, Springfield, Gen. Mgr.

New Jersey—City, Jersey City, made plans for belt railway. F. Dunham, Engr. M. I. Fagan, City Clk.

New Jersey—Pennsylvania R.R. plans to extend line from Camden to Petty's Island. A. C. Shand, Philadelphia, Ch. Engr.

Pennsylvania—Huntington, Lewistown & Juniata Valley Traction Co., Huntingdon, plans extension to Cold Springs. F. B. Isenberg, Huntingdon, Gen. Mgr.

Pennsylvania—Valley Rys., Lemoyne, plans to double-track line from Wormleysburg to West Fairview Bridge, about 1 mi. A. J. Bentz, Lemoyne, Ch. Engr.

West Virginia—Wellsburg & Eastern Railroad Co. granted franchise to construct line along Buffalo Creek, Brooke County. Line will eventually be extended to Washington, Penn. W. L. Rohbock, Cleveland, Ch. Engr. Noted Apr. 27.

North Carolina—Toxaway Western Railway Co., incorporated with $75,000 capital stock, plans railway from Lake Toxaway to Sapphire, 4 mi. J. Meitz, Williamsport, Penn., and H. C. Jarvism, Ashville, Dir.

Tennessee—Wilson County, Lebanon, election Aug. 24 to vote on $150,000 bonds to aid Nashville & Eastern Ry. to build line from Nashville to Smithville. C. T. Edwards, Smithville, interested. Noted Apr. 13.

Kentucky—Paducah & Illinois Railroad Co. made surveys for entrance into Paducah. D. G. Thompson, Paducah, Engr.

Ohio, Akron—Canal Belt Railroad Co., Akron, plans line from Barttes to North St. Work includes 7,000 cu.yd. earth excavation, 100,000 cu.yd. embankment, 80-ft. tunnel and 1,100 ft. trestle. S. Rockwell, Jr., 1845 East 75th St., Cleveland, Engr.

Ohio—State Utilities Comn. granted Pittsburgh & Lake Erie R.R. permission to issue $6,000,000 capital stock for improvements in Youngstown. J. A. Atwood, Pittsburgh, Ch. Engr. Noted May 4.

Michigan—Detroit United Ry., Detroit, granted franchise by City Council to construct line on Hamilton Blvd. F. W. Brooks, Detroit, Gen. Mgr. Noted June 1.

Iowa—United Light and Railways Co., Grand Rapids, Mich., plans to spend about $250,000 to improve its facilities at Mason City. R. Schaddelee, Grand Rapids, Gen. Mgr.

Kansas—Arkansas Valley Interurban Railway Co., Wichita, granted franchise by City Council to extend line on 10 streets of city. C. D. Bell, Wichita, Ch. Engr. Noted May 11.

Missouri—Terminal R.R. Association of St. Louis plans to spend about $1,000,000 for improvements. J. L. Burlingame, St. Louis, Gen. Mgr.

Texas—Houston & Brazos Valley R.R. plans to spend about $15,000 to improve line from Bryanmound to Anchor, also to Freeport dock terminal and Brazosport. W. A. Ranfie, Freeport, Ch. Engr.

Texas—San Antonio Traction Co. to rebuild tracks at Main Ave. and Houston St. E. E. Eysenbach, San Antonio, Gen. Mgr.

Texas—Southern Pacific Co. plans to extend terminal facilities and switching tracks in Beaumont. W. Hood, San Francisco, Ch. Engr.

Oklahoma—Oklahoma Railway Co. applied to Council, Blackwell, for franchise to construct line from smelter of American Metal Co. to business district, thence northeast to oil field. G. P. Knox, Oklahoma, Vice-Pres. and Gen. Mgr.

Oklahoma—Tulsa St. Ry., Tulsa, to spend about $50,000 for improvements and extensions. C. H. Bosler, Dayton, Gen. Mgr.

Utah—Bingham & Garfield Railway Co., Salt Lake City, plans to electrify line. H. C. Goodrich, Salt Lake City, Ch. Engr.

California—Martinez & Concord Interurban Railway Co. soon lets contract for grading line from Martinez to connection with Oakland, Antioch & Eastern R.R. at Government Ranch. J. B. Rogers, San Francisco, Ch. Engr. Noted July 20.

California—Great Western Improvement Co., San Francisco, acquired Glendale & Montrose Ry. and plans to improve and extend same, about 15 mi. W. J. Bohon, Gen. Mgr.

Bids In and Contracts Awarded

Connecticut—Connecticut Co. let contract double-tracking Jubilee and Dwight St., New Britain, to F. T. LEY CO., Springfield.

Pennsylvania—Pennsylvania R.R. let contract track work and grading at Northumberland to BROWN-KING CONSTRUCTION CO., Commercial Trust Bldg., Philadelphia, about $50,000. A. C. Shand, Philadelphia, Ch. Engr.

Virginia—Richmond, Fredericksburg & Potomac Railroad Co. let contract to depress tracks from Acca Sta. to Carey St. Rd. to EINSTON & CO., Richmond, about $500,000.

North Carolina—Seaboard Air Line Ry. let contract grading near Niagara to L. F. CHRISTIAN, Durham.

Mississippi—Yazoo & Mississippi Valley R.R. let contract grading several switch tracks to J. O. STRICKLIN, Yazoo City. A. H. Egan, Memphis, Tenn., Supt.

California—Indian Valley Railroad Co. let contract line from Keddie to Engels Mine, Plumas County, about 22 mi., to UTAH CONSTRUCTION CO., Ogden. Noted July 13.

California—Municipal Rys. of San Francisco, San Francisco, let contract track special work, Contract No. 82, to UNITED STATES STEEL PRODUCTS CO., San Francisco.

BRIDGES

Proposed Work

Mass., Westfield—Town making plans for bridge. J. L. Hyde, Town Engr.

R. I., Woonsocket—Bd. Aldermen receiving bids Aug. 15 for concrete retaining wall and rein-con. extension to arch bridge on Mill St. and over Peters River, Contract No. 1; rein.-con. bridge on Allen St. and over Lippitt Woolen Co. tail race, Contract No. 2. S. H. Mills, City Engr. Noted Mar. 13.

N. Y., Bennington—Town receiving bids Aug. 10 for bridge over Cayuga Creek. J. F. Drilling, Clk. A. B. Milvin, Attica, Engr. Noted July 6.

N. Y., Johnson—Erie R.R. made plans for bridge over tracks on Lester Ave., R. S. Parsons, 50 Church St., New York, Ch. Engr.

N. Y., Portageville—(Official)—Town Supt. Genesee Falls and Supt. Portage, Portageville, receiving bids Aug. 12 for bridge over Genesee River at Portageville. G. H. Nessell and H. S. Barber, Supts. Noted Mar. 9. (See adv. July 27 issue).

N. J., Flemington—Bd. Freeholders Hunterdon County plan new bridge on South Union St. Address Clk., Flemington.

N. J., Salem—Salem County receiving bids Aug. 7 for rein.-con. highway bridge over Oldmans Creek. H. B. Keasby and W. C. Cattrell, County Engrs.

Penn., Brooksville—Jefferson County plans arch bridge over Big Run, Henderson Township, about $15,000. Address County Clk., Brookville. F. Arthur, Court House, Engr.

W. Va., Wheeling—County receiving bids Aug. 7 for bridge work. G. W. Steenrod, Wheeling, County Engr.

N. C., Charlotte—Southern Ry. to build new bridge on main line south of Charlotte. W. H. Wells, Washington, D. C., Ch. Engr. M. W. and Struct.

N. C., Lincolnton—Lincoln County plans to rebuild bridges destroyed by floods, about $200,000. Address County Clk., Lincolnton.

N. C., Morganton—Burke County plans to rebuild bridges destroyed by floods. Address County Clk., Morganton.

N. C., Raleigh—City Comrs. receiving bids Aug. 7 for viaduct over tracks of Southern Ry. on West Martin St., concrete, 645-ft. long with earth fill approaches 200-ft. long. R. B. Seawall, City Engr. Noted Apr. 6.

Ga., Gainesville—County receiving bids Aug. 11 for steel bridge over Chattahoochee River. Address County Clk., Gainesville.

Fla., Miami—Dade County plans election in August to vote on $600,000 bonds for causeway over Biscayne Bay. Address County Clk., Miami.

Ala., Eufaula—Barbour County plans to rebuild 3 bridges destroyed by floods. Address County Clk., Clayton.

Ala., Heflin—A. H. Glasgow, Judge Probate, receiving bids Aug. 14 for steel bridge over Tallapoosa River.

Ala., Selma—Dallas County receiving bids Aug. 21 for 340-ft. steel bridge. W. O. Crisman, Engr.

Miss., Booneville—Prentiss County receiving bids Aug. 7 for bridge over Wolf Creek Canal. C. R. Lacy, Booneville, Clk.

Miss., Columbus—County receiving bids Aug. 7 for bridge work. B. A. Lincoln, Columbus, County Clk.

Miss., Holly Springs—Marshall County receiving bids Aug. 8 for 2 bridges. Address C. H. Wright, Holly Springs, Clk.

Miss., Quitman—Clarke County receiving bids Aug. 7 for bridge over Pachuta Creek. W. H. Foster, Quitman, Clk.

Tenn., Chattanooga—Hamilton County plans bridge over Little Soddy Creek. A. Crox, Chattanooga, Supt. Highway Comn.

Tenn., Jonesboro—(Official)—County receiving bids Aug. 14 for bridge over Watauga River, about $8,500. W. C. Leab, Jonesboro, Clk. Noted July 20.

Tenn., Marysville—Rd. Comrs. Blount County receiving bids Aug. 5 for rein.-con. bridge over Toole River at Little Ford. R. O. Gallagher, County Engr.

Tenn., Paris—Nashville, Chattanooga & St. Louis Ry. plans 2 bridges, viaduct and paving of streets to be raised. H. McDonald, Nashville, Ch. Engr.

Tenn., Trenton—Gibson County to build 5 steel bridges over Rutherford Canal and 2 over Big Creek Canal. Address County Clerk, Trenton.

Tenn., Waverly—Nashville, Chattanooga & St. Louis Ry. and city to build vidauct on Waverly-McEwen Rd.

Ohio, Cleveland—County receiving bids Aug. 5 for bridge work per Report No. 3892. E. G. Krause, Cleveland, County Clk.

Ohio, Cleveland—Cuyahoga County soon lets contract for balustrades on high level bridge, about $80,000. W. A. Stinchcomb, County Engr.

Ohio, Dayton—County receiving bids Aug. 14 for Upper Miamisburg Bridge, about $60,000. V. C. Smith, Dayton, County Engr.

Ohio, Hamilton—County made plans for Somerville Bridge, concrete, about $17,500. F. M. Hammerle, Hamilton, County Engr.

Ohio, Warren—Trumbull County receiving bids Aug. 7 for substructure and superstructure South Pine St. Bridge. W. R. Harrington, Warren, Audr. R. E. Hempel, Engr.

Ohio, Youngstown—(Official)—H. B. Reinsayer, Asst. Engr., New York Central R.R., receives bids for bridge over railway tracks on East Federal St. and Himrod Ave. F. M. Lillie, City Engr. Noted July 20.

Ind., Crawfordsville—Montgomery County receiving bids Aug. 8 for 3 bridges. Address County Audr., Crawfordsville.

Ind., Decatur—Adams County making plans Jack Bridge, Monroe Township. T. Baltzell, Decatur, Audr. E. L. Macklin, Engr.

Ind., Indianapolis—Marion County receiving bids Aug. 11 for culverts, bridges and retaining wall. L. K. Fesler, Indianapolis, Audr.

Ind., Knox—County receiving bids Aug. 7 for bridge. C. W. Wenninger, Knox, Clk.

Ind., La Porte—La Porte County receiving bids Aug. 10 for bridge and abutments. F. A. Hausheer, La Porte, Audr.

Ind., Vernon—County receiving bids Aug. 7 for Brush Creek Bridge, Campbell Township. Address County Audr., Vernon.

Ind., Wabash—Wabash County plans bridge and approaches over Wabash River. Address County Clerk, Wabash.

Ill., Belleville—St. Clair County plans 35 bridges and culverts. Address Clk., Belleville.

Ill., Geneva—Kane County let contract bridge in Rutland Township to W. McLEAN, 444 Washington St., Elgin.

Iowa, Independence—City plans bridge over Wapsinicon River on Main St. R. W. Gearhardt, Engr.

Iowa, Missouri Valley—Harrison County plans 3 bridges, about $70,000. Address Clk., Logan.

Minn., Duluth—St. Louis County receiving bids Aug. 7 for 3 bridges. O. Halden, Duluth, Audr.

Minn., New Richland—Village receiving bids Aug. 15 for bridge. J. J. Spillane, Recdr.

Minn., Rochester—State Highway Comn., St. Paul, plans Bridges Nos. 1819 and 1839, Olmstead County about $6,000. L. D. Bailey, Rochester, Dist. Engr.

Kan., Beloit—Mitchell County passed resolutions for 2 bridges, about $10,000. Address County Clerk, Beloit.

Kan., Hardy—Comrs. Jewell and Republic Counties plan bridge over Republican River south of Hardy, about $15,000. Address County Clerk, Hardy.

Kan., Hiawatha—Brown County receiving bids Aug. 9 for 2 bridges. J. E. Mathewson, Hiawatha, Clk.

Kan., Hays—Ellis County plans bridge over Saline River at Overholser Crossing, about $4,000.

Kan., Leavenworth—Leavenworth County soon awards contracts for 48 concrete bridges.

Kan., Topeka—Shawnee County receiving bids Aug. 18 for Baltimore truss bridge over Soldier Creek, about $13,000. O. K. Swayze, Topeka, Clk. W. J. Arnold, Engr. Noted June 22.

Neb., Dakota City—(Official)—Drainage Dist. No. 2 receiving bids Aug. 19 for bridges across Elk Creek near Jackson and Pigeon Creek near Hubbard. Towl Engineering Co., 1122 City National Bldg., Omaha, Engr.

Mont., Red Lodge—Carbon County receiving bids Aug. 10 for 42-ft. steel bridge over Red Lodge Creek at George Robertson Ranch. J. E. Deegan, Red Lodge, Clk. and Recdr.

Mo., Kansas City—Bd. Pub. Wks. receiving bids Aug. 31 for 1,110-ft. temporary approach connecting with Allen Ave. Viaduct at Liberty and Wyoming St. Harrington, Howard & Ash, Orear Leslie Bldg., Engr.

Ark., Little Rock—City plans to rebuild free bridge, about $100,000. H. Levinson, City Engr.

Tex., Bowie—Montague County receiving bids Aug. 14 for steel bridge over Sandy Creek. Address County Clk., Montague.

Bridges (Continued)

Tex., Dalhart—Dallam County receiving bids Aug. 14 for steel bridge over Perice Draw near Texline. T. S. Miller, Dalhart, Judge.

Okla., Chickasha—Council plans concrete bridge at 4th St., about $6,000.

Okla., Nowata—County receiving bids Aug. 8 for bridge work. F. Akright, Nowata, County Clk.

Okla., Poteau—LeFlore County, Poocla Township, election Aug. 9 to vote on $5,000 bridge bonds. J. W. Bolt, Poteau, Trus.

Ariz., Ray—Pinal County receiving bids Aug. 7 for 200-ft steel bridge over Mineral Creek. Address County Clk., Florence.

Wash., Bridgeport—Douglas County receiving bids Aug. 10 for concrete bridge. T. G. Roberts, Waterville, Clk.

Wash., Spokane—(Official)—City receiving bids latter part August for concrete bridge at Post. St. M. Macartney, City Engr. Noted July 13.

Wash., Spokane—City to sell $300,000 bridge bonds Aug. 24. F. W. Burch, Audr. Noted Apr. 13.

Ore., Baker—Baker County making plans for 7 steel bridges between Whitney and Bridgeport and 4 in Pine Valley. L. L. Hoffman, County Engr.

Calif., Sacramento—State receives bids soon for bridge in De La Cuesta Canyon across Santa Ynez River, about $125,000.

Calif., San Diego—C. S. Hardy, San Diego, and associates, petitioned Council to build rein.-con. bridge over San Diego River, about $50,000. Address F. M. Lockwood.

Calif., Santa Ana—Orange County making plans for bridge over Santa Ana River on West Chapman Ave., about 574-ft. long, $40,000. S. H. Finley, County Engr.

Que., Montreal—City soon receives bids 11 rein.-con. bridges over aqueduct, about $500,000. F. E. Field, Res. Engr. Noted Feb. 10.

Ont., Seagrave—County receiving bids Aug. 8 for 50-ft. bridge over Nonquon River, Contract No. 1, concrete bridge; Contract No. 2, steel superstructure on concrete piers; Contract No. 3, 2 concrete piers. J. R. McNeillie, County Clk.

Man., St. Rose du Lac—City plans 50-ft. bridge with approach. C. Jacob, Clk.

B. C., Fernie—Dept. Pub. Wks., Victoria, soon receives bids for 2-span steel bridge over Elk River. T. Taylor, Min. Pub. Wks.

Bids In and Contracts Awarded

Mass., Holyoke—City received low bid steel and concrete foot bridge from L. J. Sieling, 171 Madison Ave., New York, $18,315. Noted July 13.

Mass., Springfield—Bd. Pub. Wks. received low bid Dwight St. Bridge from L. J. Selling, $18,315.

Conn., Sandy Hook—City let contract bridge over Pootatuck Creek to JOHN ABORIO, New Haven.

Penn., Athens—State Bd. Pub. Grounds and Bldgs. let contract bridge over north branch Susquehanna River to WHITAKER & DIEHL, Harrisburg, $82,048. Noted July 27.

Penn., Greensburg—Westmoreland County let contract 2 rein.-con. bridges in Donnegal Township to G. W. DRURY, York.

Penn., Somerset—County let contract bridge over Paint Creek to F. H. ZIEGLER, Somerset, $6,393.

Penn., Philadelphia—Philadelphia & Reading Ry. received low bid bridge at Fern Rock from R. Walsh, 7th and Glenwood St., $113,566.

Penn., Yukon—(Official)—County let contract rein.-con. bridge over Sewickley Creek to R. GALIARDI, Connellsville, $6,293. Noted July 13.

Md., Baltimore—State Rd. Comn. let contract bridge on Liberty Heights Ave. to L. G. DINTERMAN, Walkersville, $19,167.

Ga., Rome—Floyd County let contract Broad St. Bridge to HUGHES ENGINEERING CO., Indianapolis, $69,219. Noted June 15.

Ala., Brewton—County let contract bridge to PERDIDO BAY BRIDGE AND FERRY CO., Bay Minette. Noted June 15.

Ala., Gadsden—Etowah County let contract bridge over Black Creek on Tuscaloosa St. to C. W. COOPER, Anniston.

Miss., Vicksburg—City let contract bridge over Stouts Bayou, Bomar Ave., to T. ZOLLINGER, $7,200.

Ky., Greenup—Greenup County let contract concrete bridge to BURGESS & CO., Scottville, Va., $6,800.

Ohio, Cleveland—Cuyahoga County let contract Cahoon Bridge to W. E. STACYDING, 1383 East 93rd St., $13,000.

Ohio, Dayton—(Official)—County let contract steel bridge superstructures in Jefferson Township to BROOKVILLE BRIDGE CO., Brookville, $33,772. Noted July 6.

Ind., Anderson—Madison County let contract 2 bridges over Fall Creek; ELKHART BRIDGE CO., Elkhart, 141-ft. bridge; NEWCASTLE BRIDGE CO., Newcastle, 101-ft. bridge.

Ind., Anderson—County let contract bridge over Fall Creek near Ovid to BURK CONSTRUCTION CO., New Castle, $7,350.

Ind., Brazil—Clay County let contract bridge in Harison Township to LAUDINE & FRISCHMAN.

Mich., Grand Rapids—City let contract paving National Ave. Bridge to VON DER WEELE BROS., $8,367.

Ill., Kankakee—State Highway Comn., Springfield, let contract Kolbe and Forberger Bridges to CONTINENTAL BRIDGE CO., Peotone.

Ill., Lincoln—County let contract 2 concrete bridges to DECATUR BRIDGE CO., Decatur.

Ill., Olney—Richland County let contract Redman, East Dundas and Coon Bridges to S. A. CONNER & SON, Newton.

Wis., Manitowoc—City let contract bridge to M. MOSIEL, 2012 Hamilton St.

Kan., Phillipsburg—Phillips County let contract 2 bridges to CANTON BRIDGE CO., 515 New York Life Bldg., Kansas City, Mo., $5,325.

N. D., Minot—Ward County let contract bridges to C. H. WHITNEY, Frame.

Mo., Mexico—Audrain County let contract 25 bridges to C. L. LEITCH, Moberly, about $20,000. Noted Mar. 30.

Mo., Sedalia—Sedalia Special Rd. Dist. let contract 5 bridges to WESTERN BRIDGE CO., Harrisonville.

Ore., Astoria—City received low bid viaduct from Western Paving Co., $51 980.

N. B., St. Johns—Bd. Pub. Wks let contracts bridges: Arostook Bridge, DOMINION BRIDGE WORKS, Montreal, Que., $33,318; Scodouc Bridge, MARITIME BRIDGE CO., New Glasgow, N. S., $22,000.

LIGHT, HEAT AND POWER

Proposed Work

N. Y., New York—(Manhattan)—Long Island Lighting Co., 50 Church St., granted permission by Pub. Ser. Comn. to issue $80,000 capital stock and $92,000 bonds. Part of proceeds to be used for improvements and extensions.

N. J., Bloomfield—Fries Bros. making plans for power plant. Noted July 20.

N. J., Lambertville—Bd. Pub. Utility Comrs. directed Lambertville Pub. Ser. Co. to improve and enlarge plant. About $25,000.

N. J., Newark—Pub. Ser. Electric Co. authorized by Bd. Pub. Utility Comrs. to issue $3,000,000 capital stock for extensions and improvements.

N. J., Newark—Newark Soap Co. plans boiler house in connection with plant on Delancey St., about $63,000.

Penn., Northampton—Lehigh Valley Light and Power Co., Allentown, granted permission for street-lighting system.

Md., Baltimore—Consolidated Gas and Electric Co. plans to enlarge substation at Monument and Constitution St., about $12,500.

Ga., Savannah—City plans gas and electric-light plant. E. R. Conant, City Engr.

Fla., Chipley—Chipley Light and Power Co. plans 2 mi. transmission line to Lime Quarry. E. H. Hale, Gen. Mgr.

Fla., Manatee—City plans electric-light plant, about $12,000. C. H. Combs, City Engr.

Ala., Andalusia—Andalusia Light and Power Co. plans to improve plant. J. N. McClurg, Mgr.

Miss., Biloxi—Gulf Cities Gas Co. making plans for gas plant and distribution system. About $60,000. G. B. Cartelyou, Jr., Mgr. Noted May 25.

Tenn., Memphis—See item under "Industrial Works."

Ky., Perryville—See item under "Industrial Works."

Ohio, Bluffton—City election Aug. 8 to vote about $30,000 electric-light plant bonds.

Ind., La Porte—Comrs. La Porte County plan power plant for courthouse and jail, about $10,000.

Mich., Hancock—City votes in November on bonds for electric-light plant. C. G. Mason, City Engr. Noted July 6.

Ill., Lebanon—City election soon to vote on $12,000 electric-light plant bonds.

Iowa, Mt. Vernon—Wapsie Power and Light Co., Mt. Vernon, plans 17 mi. transmission lines to West Branch, also substation and switchboard panel. K. Lindsay, Mgr.

Iowa, Northwood—Citizens recently defeated bonds for electric-light plant.

Iowa, Oneida—Iowa Electric Co., Cedar Rapids, plans electric-light system at Oneida.

Iowa, Washington—Iowa Gas and Electric Co., Washington, plan 35 mi. transmission line with 5 substations. H. F. Darbyshire, Mgr.

Kan., Dighton—See item under "Water-Works."

Kan., Hoxie—City voted $14,000 bonds for electric-light plant. Plans being made. G. P. Taylor, Stockton, Engr. W. F. Lipton, Mayor. Noted May 18.

Neb., Burchard—City votes Aug. 12 on $4,000 electric-light bonds.

S. D., Clark—City soon votes on $16,000 bonds for electric-light system. Noted May 18.

Mo., Lebanon—City soon votes on $8,000 bonds for electric-light and water-wks. plant. T. B. Burley, Clk.

Mo., Uhrich—City plans to rebuild electric-light plant.

Tex., Taylor—City plans to extend lighting system.

Okla., Edmond—City soon votes on $9,000 bonds for improving and extending electric-light system.

Okla., Miami—See item under "Water-Works."

Colo., Lyons—Council plans electric-light plant.

Utah, Mendon—H. J. McKay, Weston, Idaho, and T. J. Yates, Salt Lake City granted franchise for electric light plant. W. Bartlett, Mayor.

Ore., Portland—Pacific Power and Light Co., Spaulding Bldg., making plans for substations in East Washington.

Que., Sherbrooke—City soon lets contract for concrete dam at hydroelectric plant. Address City Clk.

Ont., Courtright—City Council plans hydro-electric system.

Ont., Niagara Falls—Thompson-Porter Cataract Co. applied to Dominion Government of Ottawa for permission for dam in rapids below falls for development of 2,000,000 hp. of electric energy below Niagara Falls.

N. B., St. John—Council plans to spend $30,000 for power house at General Hospital.

Bids In and Contracts Awarded

Wis., Appleton—Wisconsin Traction, Light, Heat and Power Co. let contract addition to power plant to W. S. PATERSON & CO.

WATER-WORKS

Proposed Work

Conn., Hartford—Water Bd. receiving bids Aug. 16 for about 22,500 ft. c.-i. mains, from 6- to 12-in. W. G. Aubrey, Supt.

N. Y., Forestport—State Conservation Comn., Albany, making surveys for storage reservoirs to regulate flow of Black River Valley. E. S. Cullings, Albany, Asst. Engr.

N. Y., Irvington—Bd. Water Comrs. receiving bids Aug. 15 for mains. W. H. Winne, Supt. Water-Wks.

N. Y., Oswego—City voted $345,000 bonds for development of city water power at west end of Dam No. 6 in Oswego River. F. W. Ornesby Supt.

N. J., Atlantic City—(Official)—City receiving bids Aug. 10 for furnishing gate valves and check valves. J. B. Thompson, Dir. Parks and Pub. Property. (See adv. July 27 issue.)

N. J., Vineland—Borough Comrs. plan to extend system. C. W. Sinley, Supt.

Penn., Media—City sold $70,000 bonds for water plant. P. E. Ahern, Engr.

Md., East New Market—Bd. Town Comrs. receiving bids Aug. 15 for mains. Kastenhuber & Anderson, Easton, Engr.

Va., Richmond—City receiving bids Aug. 15 for 851 lengths of 30-in. c.-i. pipe, Class B, 315 lengths of 12-in. pipe, etc. E. G. Davis Supt. Water-Works.

W. Va., Sistersville—City election soon to vote on bonds for rapid sand filtration plant. C. E. Lindsley, Supt.

Ga., Dublin—(Official)—Citizens voted $30,000 filter plant bonds. J. A. Kelley, Chn. Light and Water Comn. Noted May 18.

Miss., Macon—City receiving bids Aug. 7 for water-works. J. A. Tyson, Chancery Clk.

Ky., Louisville—Louisville Water-Wks. Bd. made plans for pumping station on Ohio River. J. M. Johnson, 54 Bd. of Trade Bldg., Consult. Engr.

Tenn., Knoxville—City election Sept. 9 to vote on $225,000 water-works bonds. Address J. G. Crumbliss, Comr.

Ohio, Canal Dover—City sold $30,000 water-works bonds. D. Ott, Supt. Noted July 13.

Ohio, Cincinnati—J. A. Hiller, Supt., recommends reservoir of 200,000,000-gal. capacity on Western hills.

Ohio, Jefferson—Council voted $4,500 water-works bonds.

Ohio, Lima—City made plans for pumping station and water-works. About $73,000. J. Askins, Supt.

Ohio, Medina—Bd. Pub. Affairs receiving bids Aug. 12 for mechanical filtration and pumping plant. F. L. Rollins, Supt. Water-Wks.

Mich., Highland Park—(Official)—Village received bids in about 2 weeks for 40,000,000-gal. rein.-con. reservoir. Hoad & Decker, Ann Arbor, Engr. Noted July 6.

Mich., Owendale—Village receiving bids Aug. 7 for water-works. R. A. Murdock, 706 Free Press Bldg., Detroit, Engr. R. O. Sodan, Clk.

Wis., Colby—City receiving bids Aug. 17 for rein.-con. water tank, 153,000 gal. capacity. F. W. Lulloff, City Clk.

Iowa, Coin—Citizens voted $12,000 water-works bonds. Noted June 29.

Iowa, Essex—Citizens voted $10,000 water-works bonds. Noted July 13.

Iowa, Odebolt—City voted bonds for extending water system. A. F. P. Schmitz, Clk. Noted June 22.

Water-Works (Continued)

Kan., Neodesha—City making plans for improving and extending system. C. M. Kimball, Supt. Black & Veatch, 507 Inter-State Bldg., Kansas City, Mo., Engr.

Kan., Osborne—Council receiving bids Aug. 11 for improving and extending system. E. T. Archer & Co., 524 New England Bldg., Kansas City, Engr. Noted May 11.

Kan., Paleo—City made plans for works. G. P. Taylor, Stockton, Engr. Noted June 15.

Kan., Plainville—City making plans for improving system. F. J. Hoss, Supt.

Neb., Arnold—Citizens voted $14,000 water-works bonds.

N. D., Grand Forks—City receiving bids Aug. 7 for mains in Cedar St. W. H. Alexander, City Audr. J. J. Smith, Supt.

Mont., Glasgow—(Official)—Bd. County Comr. of Valley County receiving bids Aug. 9 for water and electric-light systems. W. B. Shoemaker, Clk. (See adv.) Noted June 29.

Mo., Barry—Citizens voted $17,000 water-works bonds.

Mo., Maryville—City election soon to vote on $20,000 water-works bonds.

Mo., Trenton—City making plans for filter plant. J. B. Haney, Supt. E. E. Harper, 2404 East 30th St., Engr.

Tex., Dalhart—Dalhart Water Co. plans plant and distributing system. About $50,000. S. A. Killen, interested.

Tex., Vernon—See item under "Streets and Roads."

Okla., Hunter—City plans works.

Okla., McLoud—City election soon to vote on $15,000 water-works bonds. Former election illegal. Benham Engineering Co., Colcord Bldg., Oklahoma, Engr. Noted July 27.

Okla., Miami—Citizens voted $25,000 bonds water system and electric-light plant. A. L. Sailors, Supt. Noted July 13.

Okla., Woodward—City election soon to vote on $12,500 water-works bonds. F. H. Kilburn, Supt.

N. M., Clayton—City soon awards contract for improving water system. About $55,000. H. O. Duerr, Consult. Engr. M. R. Jones, Clk. Noted June 22.

Idaho, Pocatello—City making plans for 15 mi. of flow line pipe and enlarging distribution system for water-works. E. C. Smith, Supt. Water Dept.

Calif., San Diego—City making plans for pipe line from Otay dam site to Bonita "Y", about $250,000. H. R. Fay, Supt.

Calif., Woodland—City receiving bids Aug. 7 for boring well. G. E. Whitney, City Clk.

Ont., Matheson—City receiving bids Aug. 8 for water-works. F. E. Ginn, Clk. McAuslan & Anderson, North Bay, Engr.

Ont., Mimico—See item under "Sewers."

Bids In and Contracts Awarded

Mass., Boston—City received low bids high-pressure mains in various streets from Coleman Bros., Chelsea, $11,614; A. Baruffaldi, Somerville, $14,426; M. DeSisto, West Roxbury, $21,651.

N. J., Atlantic City—City let contract c.-i. pipe and fittings for high-pressure system to U. S. CAST IRON PIPE AND FOUNDRY CO., Morris Bldg., Philadelphia, $58,756. Noted Apr. 6.

Penn., Easton—Lehigh Valley Water Co. let contracts for water-works improvements to R. T. & C. D. STEWART CONTRACTING CO., Easton, reservoir at Chestnut Ridge and mains in College Hill, WARREN FOUNDRY AND MACHINE CO., Phillipsburg, N. J., laying 9,000 ft. pipe. Noted July 27.

N. C., Salisbury—Bd. Water Comr. let contracts filtration plant and water-works improvements to A. T. TWIGGS & SON, Augusta, Ga., $37,000, structures; W. M. WILKES, Warrentown, $12,900, laying pipe; C. W. LEE, Winston, $9,400, reservoir; NEW YORK CONTINENTAL JEWELL FILTRATION CO., New York, $12,200, filtration plant. Noted June 29.

N. C., Wilmington—City rejected bids received July 19 for 500 ⅝- and ¾-in. water meters. T. D. Meares, City Clk. Noted July 6.

Ga., Macon—City let contract pump house to W. J. MARSHALL CO.

Fla., Arcadia—(Official)—City let contract works to STIDHAM & HUGHES, Bartow, $38,831. Noted July 20.

Ohio, Lima—City let contract 10,000 ft. mains, valves and couplings to J. B. CLOW & CO., $8,200.

Ohio, Lowellville—City let general contract works to J. P. MORRISON & CO.; pump house and standpipe, P. A. ANDERSON and PITTSBURGH-DES MOINES STEEL CO.

Ill., Aledo—City Council let contract 150,000-gal. water tank to CHICAGO BRIDGE AND IRON WORKS, 1300 West 105th St., Chicago, $6,800.

Kan., Dighton—City let contract water-works and electric-light plant to EVERETT & BURT, Hutchinson, $24,500. Noted May 18.

Colo., Nederland—City let contract water-works system to ALLEN & MURPHY, Denver. About $20,000. Noted June 22.

Ore., Canby—(Official)—City let contract water system to CRANE CO., Portland, $12,000.

Ont., Niagara Falls—Water Bd. let contract chlorinating plant at pumping station to ELECTRO BLEACHING GAS CO., New York.

SEWERS

Proposed Work

N. H., Manchester—City soon votes on $40,000 sewer bonds. S. J. Lord, City Engr. Noted June 29.

N. Y., Cobleskill—(Official)—Village receiving bids Aug. 11 for extending sewer and water systems. W. H. Golding, Clk. H. Roberts, 112 State St., Albany, Engr. (See adv.)

N. Y., New York—(Brooklyn)—L. H. Pounds, Boro. Pres., Room 2, Borough Hall, receiving bids Aug. 10 for sewer in portion Bedford Ave.

N. J., Newark—Bd. Freeholders Essex County making plans for disposal plant at Overbrook Hospital.

N. J., Rahway—(Official)—Merck & Co., Rahway, receiving bids Aug. 15 for 805 ft. 12-in. vitrified tile sewer with necessary "Y" branches, manholes, etc., in portion Lincoln Ave. (See adv.)

Penn., Athens—City receiving bids Aug. 7 for sewage-disposal plant.

Penn., Bradford—See item under "Streets and Roads."

Md., Hagerstown—City Sewerage Com. plans sewage-disposal plant. J. B. Ferguson, Engr.

Ga., Savannah—City receiving bids Aug. 15 for 1 mi. of rein.-con. box combined sanitary and storm sewer. E. R. Comant, Ch. Engr.

Fla., St. Cloud—City votes Sept. 5 on $21,000 bonds for sewer system and septic tank. W. A. Ginn, Sanford, Engr. F. B. Kennedy, City Clk. Noted July 27.

Ala., Selma—City plans to rebuild North Selma sewer, about 2 mi. Address R. Browning, Supt.

Miss., Greenwood—See item under "Streets and Roads."

Miss., Laurel—City made plans for extending storm sewers. H. W. Bell, City Engr.

Tenn., Memphis—(Official)—City retained H. E. Elrod, Southwestern Life Bldg., Dallas, as engineer for disposal plant.

Ohio, Delaware—City receiving bids Aug. 5 for sewage-disposal plant in Berlin Township. Richards Engineering Co., 27 East Long St., Columbus, Consult. Engr. Noted Dec. 23.

Ohio, Sidney—City votes Aug. 8 on $19,700 sewer bonds. T. Blake, City Engr. Noted July 13.

Ohio, Wooster—City plans sewer in Columbus Ave. E. U. Mowery, City Engr.

Ill., Champaign—City plans sewer in West Main St. F. C. Lohmann, City Engr.

Ill., Elmhurst—(Official)—Bd. Local Improvements receiving bids Aug. 8 for sewer work. W. Platner, 69 West Washington St., Chicago, Engr. (See adv. July 27 issue).

Ill., Normal—City plans sewers in Dry Grove St. and alleys adjoining.

Wis., Kaukauna—(Official)—City rejected bids sewers in 10th and Crooks St. New bids Aug. 18. L. C. Wolf, City Clk. Noted July 13.

Wis., Mellen—Bd. Pub. Wks. receiving bids Aug. 8 for 6- and 8-in. sewer in various streets.

Wis., Stoughton—City receiving bids Aug. 7 for storm sewer Monroe St. L. C. Currier, City Clk.

Wis., Thief River Falls—City receiving bids Aug. 8 for sewers. A. H. Fasel, City Clk.

Iowa, Alton—City plans sewers.

Iowa, Charles City—(Official)—Citizens defeated $75,000 sewer bonds. W. S. Beattie, City Engr. Noted July 27.

Iowa, Eldon—City receiving bids Aug. 7 for sewer system. H. E. Ritz, City Clk.

Iowa, Mapleton—(Official)—City rejected bids for sewer system. New bids Aug. 8. Bruce & Standeven, Bee Bldg., Omaha, Engr. Noted June 22.

Iowa, New Hampton—City receiving bids Aug. 15 for disposal plant, about $20,000. F. B. Strike, City Clk.

Minn., Carlton—Citizens voted $12,300 bonds for sewer and water systems.

Minn., Mabel—City receiving bids Aug. 8 for sanitary sewer system and sewage-disposal plant. E. J. Johnson, City Recdr. J. F. Druar, 312 Commercial Bldg., St. Paul, Consult. Engr. Noted July 27.

Kan., Hutchinson—City making plans North Main St. district sewer, about $20,000. G. L. McLane, City Engr.

Neb., Florence—City defeated $20,000 bonds for sewer system. Noted June 22.

Neb., Plattsmouth—City receiving bids Aug. 14 storm sewer in Chicago Ave. J. F. Warga, City Clk.

S. D., Mitchell—City receiving bids Aug. 7 for sanitary sewer. T. Eastcott, City Audr.

Mont., Hardin—City voted $12,000 bonds for sewer system and sewage-disposal plant. A. L. Mitchell, Mayor. Noted June 29.

Tex., Frost—City voted $10,000 bonds for sewer system. Noted Mar. 30.

Tex., Houston—City plans sanitary sewer system and sewage-disposal plant. About $500,000. E. E. Sands, City Engr.

Tex., Vernon—See item under "Streets and Roads."

Okla., Edmond—City election soon to vote on $8,000 sewer bonds. E. S. Blackburn, Mayor.

Okla., Norman—City election soon to vote on $7,000 sewer bonds. M. Wise, City Clk.

Ore., Eugene—City soon lets contract for sewers in 14th Ave.

Calif., Chino—City receiving bids Aug. 15 for sewer system. About $58,000. Omsted & Gilliden, Hollingsworth Bldg., Los Angeles, Engr. E. L. P. Wetmore, City Clk. Noted July 20.

Calif., Fresno—City Council will let contract in September for storm and sanitary sewer system. About $500,000. B. E. Cronkite, City Engr. Noted May 18.

Calif., Richmond—City made plans for storm and sanitary sewer. About $125,000. H. D. Chapman, City Engr. Noted Apr. 13.

Ont., Mimico—Council passed by-laws for sewers and water-supply pipe. J. A. Telfer, Clk.

Ont., Stratford—Council passed by-laws for sanitary sewers on McNab and Nelson St. and storm sewers on Cobourg and Mornington St. A. B. Manson, City Engr.

Bids In and Contracts Awarded

Mass., Pittsfield—City let contract Tyler St. drain to J. H. FERGUSON & CO., Dorchester, $17,052.

N. Y., Binghamton—Bd. Pub. Wks. let contract rebuilding sewer in Lehigh Ave. to KEYSTONE STATE CONSTRUCTION CO., $38,000. Noted Apr. 6.

N. Y., New York—(Manhattan)—(Official)—Santor Co., 254 West 41st St., low bidder improving sewer portion Park Ave.

N. Y., New York—(Queens)—Low bidders sewer: H. I. Paino, 67 Bay 47th St., Brooklyn, Maure Ave., $10,466 Birch St., $23,123; H. Britton, 238 South Elm St., Woodmere Pl., $5,488; J. Kelly, Rust St., $34,061; J. C. Scerade, St. Felix Ave., $8,718. Noted July 20.

N. J., Edgewater—City Council rejected bids for Sewer No. 11.

N. J., Trenton—(Official)—City Comn. let contract sewers in Lyndale, Park and Bismarck Ave. to J. F. SHANLEY CO., Essex Bldg., Newark, $42,460. Noted June 29.

Penn., Scranton—City let contract sewers in Park, Rogers and Archibald St. to N. PERRI, $1.02 lin.ft.

Fla., Miami—City let contract sewer in District No. 9 to J. J. QUINN CO., Miami, at $13,061.

Ohio, Celina—City let contract sanitary sewer system to W. J. ERWING, Greenville, $13,084.

Ohio, Dayton—City let contract Leo St. storm sewer to BOYD & COOK, $12,697.

Ohio, Kenton—City let contract sewer to D. M. DETRICK, $4,000. Noted May 25.

Ind., Muncie—City let contract sewers to W. M. BIRCH CO. and C. DELANEY. Noted July 13.

Mich., Ann Arbor—(Official)—City received low bid storm and sanitary sewers from Hochrein & Co., $13,087. M. Osgood, City Engr. Noted July 13.

Wis., Kenosha—City received low bid Edwards St. sewer from P. Frandsen; Lincoln Ave. and Prairie St., Ostergaard Bros.

Wis., Milwaukee—City let contract disposal plant to A. H. PRANGE, Grand Rapids, about $500,000.

Iowa, Ft. Dodge—City let contract storm sewer to C. A. KLING; sanitary sewer, BENSON & REED.

Iowa, Mt. Pleasant—City let contract G. A. BERGDAHL, $23,300 for sewers and sewage-disposal plant.

Iowa, Oskaloosa—City let contract sewers North Dist. to KANSAS PAVING AND CONSTRUCTION CO., $18,964. Noted June 29.

Iowa, Waterloo—City let contract sewers to MOORE-SIEG CONSTRUCTION CO., $25,951. Noted June 1.

Minn., Pipestone—City let contract storm water sewers to G. S. REDMON, Pipestone, $14,945. Noted July 6.

Minn., Red Lake Falls—City let contract sewers to J. McDONALD, Duluth, $17,307. Noted July 6.

Minn., Wadena—City let contract sewer to PASTORET CONSTRUCTION CO., Duluth, $40,266. Noted June 22.

Kan., Glasgo—City received low bid for sanitary sewer outlet, School Dist. No. 5, from A. R. Stimson, Topeka, $5,594. Noted July 13.

Mo., Kansas City—Bd. Pub. Wks. let contracts sewers: Dist. No. 399, Div. 5, KOEHLER CONSTRUCTION CO., 220 Produce Exchange Bldg., $12,827; Dist. No. 238, Div. 5, JOHNSON REAL ESTATE AND CONSTRUCTION CO., 328 Olive St., $14,520. Noted Mar. 16.

Calif., Lompoc—City let contract sewer system to CHAMBERS & HEAFY, Bacon Bldg., Oakland, $36,000.

GARBAGE

Proposed Work

Ohio, Cleveland—City plans incinerators for rubbish and refuse. R. Hoffman, City Engr.

Ohio, Crooksville—City plans garbage disposal system. W. H. Davis, Mayor.

Tex., Tyler—City plans incinerator. Albert Woldert, City Health Officer. J. J. White, City Engr.

Okla., Tulsa—City election soon to vote on $35,000 incinerator bonds. H. H. Wyss, Engr. Noted July 13.

Bids In and Contracts Awarded

Mich., Highland Park—City let contract incinerator to C. F. WALTHERS, 804 Breitmeyer Bldg., Detroit. Noted May 11.

STREETS AND ROADS

Proposed Work

N. H., Manchester—City plans $60,000 bond issue for paving. S. J. Lord, City Engr.

Mass., Walpole—City making plans for improving Main St.

N. Y., Albany—(Official)—State Highway Comn., 55 Lancaster St, receiving bids Aug. 14 for highways in various counties. E. Duffey, Comr. (See adv.)

N. Y., Albany—(Official)—State Highway Comn., 55 Lancester St., receiving bids Aug. 16 for highways in various counties. E. Duffey, Comr. (See adv.)

N. Y., Albany—(Official)—State Highway Comn., 55 Lancaster St., receiving bids Aug. 18 for highways in various counties. E. Duffey, Comr. (See adv.)

N. Y., New York—(Richmond)—C. D. Van Name, Boro. Pres., Borough Hall, St. George, New Brighton, receiving bids Aug. 8 for repaving portion 3d St., granite blocks.

N. Y., Olean—City soon receives bids paving West Sullivan St., brick, about $4,500. E. E. Allen, City Engr.

N. Y., Schenectady—Bd. Contract and Supply plans to improve portion Elbert St. T. Wooley, 147 Franklin St., Engr.

N. J., Bloomfield—Bd. Freeholders Essex County, Newark, receiving bids Aug. 7 for improving Broad St. Address Clk., Newark.

N. J., Bloomfield—Council receiving bids Aug. 7 for improving Spring and Baldwin St., asphalt. R. F. Davis, Town Clk.

N. J., Guttenberg—Council receiving bids Aug. 7 for paving Park Ave.

N. J., Hammonton—City receives bids soon for road work, about $30,000. Remington & Visbury, 6th and Market St., Camden, Engr.

N. J., Hewitt—State Rd. Comn., Paterson, plans macadam road through Hewitt.

N. J., Manalapan—(Englishtown post office)—Bd. Chosen Freeholders of Monmouth County receiving bids Aug. 9 for about 1 mi. gravel road. J. M. Corlies, Freehold, Dir. G. D. Cooper, 60 Broad St., Red Bank, Engr.

N. J., Montclair—Bd. Freeholders Essex County, Newark, receiving bids Aug. 7 for improving Valley Rd. Noted June 22. Address Clk., Newark.

N. J., Montclair—(Official)—Town Clk. receiving bids Aug. 15 for paving and curbing portion Bellevue Ave. H. W. Jones, Act. Town Clk. (See adv.)

N. J., Morristown—Bd. Freeholders Morris County receiving bids Aug. 7 for 13 roads. Address Clk., Morristown.

N. J., Morristown—Bd. Freeholders receiving bids Aug. 14 for 2 roads. Address Clk., Morristown.

N. J., Newark—(Official)—Bd. St. and Water Comrs. receiving bids Aug. 10 for grading portion Ave. R. M. R. Sherrard, City Engr. Noted July 20. (See adv.)

N. J., Newark—Bd. Freeholders Essex County plans to improve portion Belleville Turnpike. Address County Clk., Newark.

N. J., New Brunswick—(Official)—City receiving bids Aug. 4 for repaving 10 streets, about $75,000. A. Atkinson, City Engr. Noted July 20.

N. J., Newton—Bd. Freeholders Sussex County plans to improve Lafayette Rd., macadam. H. Snook, County Engr.

N. J., Paterson—Rd. Com. Bd. Freeholders Passaic County receiving bids Aug. 16 for improving portion Totowa Rd., Piaget and Wanaque Ave., bituminous concrete and granite blocks. G. W. Botbyl, Paterson, Clk.

N. J., Plainfield—City plans to improve Ravine Rd., Leland, Stella and Kensington Ave. and Lake St., macadam. A. J. Gavett, City Engr.

N. J., Ridgewood—Bd. Freeholders plans to improve Wesel Rd. Address Clk., Passaic.

N. J., Trenton—City soon lets contract for paving portion Bayard St., concrete. J. R. Fell, Jr., City Engr.

Penn., Ashley—City receiving bids Aug. 10 for repaving Main St., brick. F. Butts, Miners Bank Bldg., Wilkes-Barre, Engr. Noted July 6.

Penn., Butler—Butler County receiving bids Aug. 18 for improving Butler and Saxonburg Rd., Jefferson Township, about 20,175 ft., brick. Address County Clk., Butler. Noted June 22.

Penn., Connellsville—City plans to pave and curb various streets, about $15,000. C. F. Hirst, City Engr.

Penn., Conshohocken—Borough Council plans to improve Ford and Front St.

Penn., Darby—Borough receiving bids Aug. 7 for paving portions various streets. E. R. Franklin, Secy. A. F. Damon, Jr., Engr.

Penn., Eddystone—Council sold $35,000 paving bonds.

Penn., Erie—City making plans for 16-ft. boulevard portion East Ave. F. G. Lynch, City Engr.

Penn., Harrisburg—City plans to pave Honey St., asphalt. M. B. Cowden, City Engr.

Penn., Hazleton—City making plans paving portion Green St. B. E. Youngman, City Engr.

Penn., Hazleton—City plans to pave Church and Vine St. B. E. Youngman, City Engr.

Penn., Meadville—(Official)—City receives bids about January for 60,000 sq. yd. paving and 22,000 lin. ft. curb and guttering, about $170,000. B. F. Miller, Jr., City Engr. Noted June 15.

Penn., Middletown—City plans to pave Union St., brick. D. Irwin, Clk. Council.

Penn., Natrona—City plans to improve portion Vine St., brick. C. E. Miller, Jenkins Arcade, Pittsburgh, Engr.

Penn., Norristown—County plans to spend $160,000 for highways and bridges. Address County Clk., Norristown.

Penn., New Eagle—City voted $20,000 street improvement bonds.

Penn., Woodlawn—(Official)—Borough receiving bids Aug. 7 for paving Station, Kiehl and Copeland St., Highland Ave. and Bank Alley. W. M. Anderson, Asst. City Engr. Noted July 20.

Md., Cumberland—City receiving bids Aug. 11 for paving portion Baltimore and Flat St. R. L. Hizer, City Engr.

Md., Rockville—Montgomery County receiving bids Aug. 8 (extension of date), for portion State-Aid Highway upon or along Poolesville Rd. B. E. Clark, Rockville, County Clk. Noted July 6.

Va., Richmond—City making plans improving portion 14th St. C. E. Bolling, City Engr.

W. Va., Elkins—Randolph County receiving bids Aug. 10 for surfacing 4½ mi. road, crushed rock or gravel. T. Pritt, Elkins, Clk. Noted July 20.

W. Va., Hamlin—Lincoln County receiving bids Aug. 9 for Porter Fork Rd., Dubal Township about 4 mi. A. F. Black, Hamlin, Clk.

W. Va., Parkersburg—City plans to pave portion Market St. T. L. Higgs, City Engr.

N. C., La Grange—City election Aug. 7 to vote on $10,000 street improvement bonds.

Fla., Blountstown—Calhoun County election Aug. 25 to vote on $130,000 road bonds. Address County Clk., Blountstown.

Fla., Perry—Taylor County voted $600,000 road bonds. Address County Clk., Perry. Noted July 6.

Fla., West Palm Beach—Palm Beach County plans election to vote on bonds for road from West Palm Beach to south shore Lake Okeechobee.

Ala., Birmingham—City plans to pave Clairmont Ave., about $5,000. Julian Kendrick, City Engr.

Ala., Birmingham—(Official)—Bd. Revenue Jefferson County receiving bids Sept. 11 for 14 mi. highway from Wylam to Warriors River. G. H. Clark, Birmingham, County Engr. Noted July 13. (See adv.)

Ala., Florence—Lauderdale County plans road. Address County Clk., Florence.

Miss., Brandon—Rankin County, Beat 1, voted $50,000 road bonds. Address County Clk., Brandon.

Miss., Columbus—Lowndes County sold $90,000 road bonds. Address County Clk., Columbus.

Miss., Greenville—Washington County making surveys for 145 mi. new roads, about $950,000 available. W. W. Miller, Greenville, Clk. J. S. Allen, County Rd. Engr. Noted June 15.

Miss., Greenwood—City voted $20,000 bonds curbing, guttering and sewering Washington St.

Miss., Grenada—Grenada County receiving bids Aug. 7 for Jefferson Highway north and south through county, also similar road extending east and west through county. Noted Apr. 6.

Miss., Grenada—City voted to pave portion Main St.

La., Many—Sabine Parish voted $30,000 bonds for link Jefferson Highway. Address Clk. Police Jury, Many.

La., Monroe—(Official)—Quachita Parish appointed J. W. Billingsley, Consult. Engr., Interstate Bank Bldg., New Orleans, to plan and supervise system of highways in Rd. Dists. Nos. 1 and 2. Noted June 8.

La., New Orleans—(Official)—Highway Dept. Bd. State Engrs., Room 104, New Orleans Court Bldg., receiving bids Aug. 14, for surfacing Coushatta-Shreveport Highway, Red River Parish, about 8 or 10 mi. W. E. Atkinson, State Highway Engr.

La., New Roads—Pointe Coupee Parish, Rd. Dists. No. 1 and 2 election Aug. 16 to vote on proposition to build roads. Address Police Jury, New Roads.

La., New Roads—Pointe Coupee Parish, Rd. Dist. No. 3, voted $40,000 road bonds. Address Police Jury, New Roads.

Tenn., Decaturville—Decatur County election Sept. 2 to vote on road bonds. Noted July 20.

Tenn., Erwin—Unicoi County Rd. Comn. receiving bids Aug. 10 for 26-mi. road, about $106,500 available. T. C. Hensley, Erwin, Supt. Noted June 1.

Tenn., Knoxville—City plans to repair Broad St., asphalt, $4,000. J. H. McCalla, City Engr.

Tenn., White Bluff—Dickson County to spend $5,500 on portion of Memphis-Bristol Highway. Address County Clk., Charlotte.

Ohio, Cincinnati—Hamilton County soon receives bids for improving portion Dry Run Rd., about $43,826. Address County Clk., Cincinnati. W. H. Boch, County Engr.

Ohio, Cincinnati—City plans to improve Owasco, Linn and Bank St., asphalt. F. S. Krug, City Engr.

Ohio, Cleveland—City receiving bids Aug. 28 for $183,000 street-improvement bonds. C. J. Neal, 226 City Hall, Dir. Finance.

Ohio, Cleveland—Council passed ordinance to pave portion Colt Rd. R. Hoffman, City Engr.

Ohio, Columbus—Franklin County receiving bids Aug. 9 for resurfacing road. Address County Clk., Columbus.

Ohio, Deshler—(Official)—Village receiving bids Aug. 9 for improving portion Maple St., brick. R. W. Hoskinson, Clk. Noted June 22.

Ohio, Findlay—Hancock County sold $27,000 road bonds. Address County Clk., Findlay.

Ohio, Lebanon—Warren County receiving bids Aug. 15 for paving Dayton, Lebanon and McPhillips Rd., about 5 mi., crushed rock. C. E. Mounts, Lebanon, Audr. R. E. Miller, Engr.

Ohio, London—Village receiving bids Aug. 25 for paving South Main St. J. W. Byers, Clk.

Ohio, Marietta—City receiving bids Aug. 9 for paving portions Chestnut, Vine, Holley and Poplar St. and Oakwood Ave. F. Gates, City Engr. Noted July 20.

Ohio, Marietta—City receiving bids Aug. 8 for improving Putnam and Prospect Ave. and Hunter St., brick. W. E. Baker, Dir. Pub. Ser. F. Gates, City Engr. Noted May 25.

Ohio, Martins Ferry—Bd. Control receiving bids Aug. 10 for paving portion Elm, Vine and Virginia St. T. McPherson, City Clk. Noted May 25.

Ohio, Mingo—Council plans to pave portion St. Clair St., brick.

Ohio, Mt. Vernon—City plans to improve portion South Mulberry and Catherine St. and West Ohio Ave. W. Anderson, City Engr.

Ohio, New Boston—City sold $28,000 street improvement bonds.

Ohio, Portsmouth—City soon receives bids improving portion 4th St. P. G. Harper, City Engr.

Ohio, Sandusky—Council passed resolution to improve portion Tyler St. A. F. Johnson, City Engr.

Ohio, Springfield—City plans to pave East Court St., Grube Rd. and Lowrey and Euclid Ave. M. J. Bahin, City Engr.

Ohio, Sylvania—(Official)—Village rejected bids paving Bank and Indiana St. About $8,087. New bids Aug. 7. P. Wagonlander, Clk. Noted July 6.

Ohio, Tiffin—Council passed ordinance to improve portion Washington St. L. O. Runkel, City Engr.

Ohio, Utica—City sold $9,727 street paving bonds. J. Kemper, City Engr.

Ohio, Youngstown—City sold $67,235 street improvement bonds. F. M. Lillie, City Engr.

Ind., Columbus—City lets contract paving Washington and 3d St., also 2 other streets about Aug. 21. G. Rader, City Engr. Noted June 1.

Ind., Ft. Wayne—Allen County receiving bids Sept. 1 for macadam roads in Jackson, Wayne, Monroe, Madison and Jefferson Townships. W. Johnson, Ft. Wayne, Audr.

Ind., Indianapolis—City making preliminary plans paving portion Randolph St. B. J. T. Jeup, City Engr.

Ind., Muncie—Delaware County receiving bids Aug. 19 for crushed stone road in Center Township. E. M. Williams, Muncie, Audr.

Ind., Spencer—City plans to pave various streets. L. Drescher, City Engr.

Mich., St. Johns—Rd. Comrs. Clinton County receiving bids Aug. 7 for 3½ mi. Class C slag gravel trunk line highway. Address County Clk., St. Johns.

Streets and Roads (Continued)

Mich., St. Johns—City making plans paving Cass St. and Maple and Linden Ave.

Mich., Wyandotte—City plans to improve Forest, Spruce, Elm, Cherry and Cedar St. M. L. Brown, City Engr.

Ill., Belleville—St. Clair County plans to widen and grade about 15 mi. road. D. O. Thomas, County Supt. Highways.

Ill., Belvidere—Bd. Superv. Boone County to spend $26,616 for highway improvements. Address Clk., Belvidere.

Ill., East St. Louis—City plans boulevard to encircle city, about $400,000. E. F. Harper, City Engr.

Ill., Glencoe—City making plans paving 2nd section Glencoe Rd., brick, about $21,000. Windes & Marsh, Engr.

Ill., Marion—County receiving bids Aug. 15 for 3 mi. concrete road. P. B. Wilson, Marion, Supt.

Ill., Maywood—City plans to pave portion South 4th St., brick. H. A. Ulrich, Clk.

Ill., Milan—Rock Island County soon lets contract for concrete sidewalks, about $11,000. Address County Clk., Rock Island. Noted June 15.

Ill., Waukegan—City receives bids about Aug. 20 for paving Helmholz Ave., concrete, about $9,000. M. J. Douthitt, City Engr. Noted June 8.

Ill., Wheaton—City making plans paving 13,331 sq yd., bituminous, about $25,000. L. J. Ruddock, Engr.

Wis., Chippewa Falls—City plans to pave and curb portion Main St., brick. A. Thompson, City Engr.

Wis., Fond du Lac—City plans to pave Oshkosh Rd. J. S. McCullough, Engr.

Iowa, Tipton—Cedar County receiving bids Aug. 7 for grading 7 mi. road. Address County Audr., Tipton. H. L. Phelps, County Engr.

Minn., Chisholm—Village petitioned to pave portion Maple St. E. E. Webber, Pres.

Minn., Grand Marais—City plans $15,000 bond issue for improving Gunflint Rd.

Minn., St. Paul—City plans to pave portion Rice St., wood blocks, $73,693. O. Claussen, City Engr.

Minn., St. Paul—City rejected bids for grading Burns Ave., about $6,487. New bids. Oscar Claussen, City Engr.

Kan., Dodge City—Council passed resolution to pave portion 1st St. and Ave. B. W. E. Baldy, City Engr.

Neb., Aurora—City rejected bids for paving, new bids soon. Bruce & Standeven, Omaha, Engr.

Neb., Fremont—Council petitioned to pave portion Park Ave. M. Roessler, City Engr.

Neb., Fremont—City soon receives bids for paving 9 blocks I St. M. Roessler, City Engr. Noted May 4.

Mo., St. Joseph—City making plans for paving Cherokee St. C. P. Hoff, City Engr.

Mo., Webb City—City plans to pave portion Dougherty St. L. S. Briggs, City Engr.

Ark., Clarksville—City plans to pave Main St. and Court House Sq. A. W. Laser, Clk.

Ark., Hope—State Highway Comn., Little Rock, making plans for 2 mi. concrete road from Hope to Dyke Springs, about $11,000.

Ark., Pine Bluff—City plans to pave 6th and Harding Ave., concrete and gravel. F. R. Allen, City Engr.

Tex., Beeville—(Official)—Bee County defeated proposition to vote on $300,000 road bonds. Noted July 13.

Tex., Dallas—City plans to pave portion Columbia Ave. and Lafayette St. H. Moseley, City Engr.

Tex., El Paso—City receives bids for paving portion South Stanton St. G. Espy, City Engr.

Tex., Georgetown—Williamson County plans election to vote on $200,000 road bonds. Address County Clk., Georgetown.

Tex., Houston—Harris County election soon to vote on $15,000 road bonds. Address County Clk., Houston.

Tex., Vernon—City voted $54,000 bonds for paving and sewer and water systems. Noted June 1.

Idaho, Lewiston—City receiving bids Aug. 7 for 2,760 sq.yd. 6-in. one-course concrete paving, 13,395 sq yd. 4-in. concrete paving and 3,650 ft. concrete curb. D. C. Wrighton, City Engr.

Ariz., Globe—Gila County receives bids about Sept. 1 for 64,000 sq yd. concrete pavement on Globe-Miami and Winkelman-Hayden Highway, about $90,000. R. G. Thomas, County Engr. Noted Apr. 6.

Ariz., Phoenix—City receiving bids Sept 20 for 12,200 yd. pavement. J. B. Girand, City Engr.

Wash., Colfax—Whitman County receiving bids Aug. 21 for improving 11 mi. Permanent Highway No. 12. Address County Clk., Colfax, J. M. McCaw, County Engr. Noted June 29.

Wash., Port Townsend—(Official)—Jefferson County receiving bids Aug. 8 for about 7-mi. road to Leland Valley, about $12,000. J. D. Lidders, Port Townsend, Audr. Noted July 13.

Wash., Seattle—City made plans for paving 2d Ave., N. E., about $12,000. A. H. Dimock, City Engr.

Wash., Seattle—Bd. Pub. Wks. soon let contract for paving Olive St., brick. A. H. Dimock, City Engr.

Ore., Astoria—City plans to pave Bond, Franklin, 11th, 12th, Duane and Jerome St., about 30,000 sq yd., asphaltic concrete, bitulithic or brick. G. T. McClean, Engr.

Ore., Carlton—City soon receives bids for paving portion Pine St.

Ore., Pendleton—Umatilla County making plans for Pitman Rd., concrete, about $420,000. Address County Clk., Pendleton.

Calif., Los Angeles—Bd. Pub. Wks. receiving bids about Aug. 21 for improving portions 11th St., San Pedro Dist., 58th and Main St. and Towne Ave. H. Hamlin, City Engr.

Calif., Los Angeles—County made plans for 10.62 mi. concrete road, about $132,885. Address County Clk., Los Angeles.

Calif., Pasadena—City lets contract for improving Lock Haven St. and Holliston Ave. latter part August. R. B. Orbison, City Engr.

Calif., Redwood City—County receiving bids Aug. 7 for surfacing 7½ mi. Redwood-San Gregorio Highway. J. H. Nash, Redwood City, Clk.

Calif., San Diego—City soon lets contract for improving portions Owen, Lawrence, McCall, Kellogg and San Fernando St. G. T. Cromwell, City Engr.

Calif., Ukiah—County receiving bids Aug. 8 for road at Salmon Creek. H. Prather, Ukiah County Clk.

Calif., Vallejo—(Official)—City receiving bids Aug. 15 for improving various streets. T. D. Kilkenny, City Engr.

Calif., Ventura—Ventura County receiving bids Aug. 8 for improving 8.77 mi. Somas to Santa Clara River Rd., Div. 7. J. B. McClusky, Ventura, Clk.

Ont., Galt—City plans to pave Ainslie St., asphalt.

Ont., Leamington—City plans concrete pavement from Victoria to Fox St. R. M. Selkirk, Clk.

Ont., Toronto—Com. of Wks. recommended paving Silverton Ave., asphalt, $20,905; McKenzie Crescent St., concrete, $5,663; Yone St., granite block, $9,912.

Ont., Toronto—Com. of Wks. recommended paving Glenmanor Dr., $6,080; Blackthorne Ave., $17,218; Roxborough and McPherson Ave., $7,126.

B. C., Saanich—South Saanich Council plans road from West Saanich Rd. to Prospect Lake Rd. H. S. Copwer, Clk.

Bids In and Contracts Awarded

Maine, Jackman—State Highway Comn. let contract Jackman-Rockwood Rd. to E. T. MITCHELL, Oakland, $20,327.

Maine, Norway—City let contract paving to SMALL & INGALLS, Bar Harbor. Noted June 29.

Mass., Boston—City let contract paving various streets to CENTRAL CONSTRUCTION CO., 228 Southampton St., Roxbury, $51,500. Noted July 20.

Mass., Brookline—City let contract improving various streets to D. DRISCOLL, 21 Kent St., $27,000.

N. Y., Brighton—City let contract concrete work to SCHROEDER-HICKS CONTRACTING CO., Mercantile Bldg., Rochester, $20,000.

N. Y., New York—(Bronx)—(Official)—Borough let contract paving portion Kingsbridge Rd. to ASPHALT CONSTRUCTION CO., Madison Ave. and 137th St., Manhattan.

N. Y., New York—(Manhattan)—(Official)—Low bids improving portion 37th St. from Asphalt Construction Co., Madison Ave. and 137th St., $40,834; 29th St., Barber Asphalt Paving Co., $9,521. Noted July 20.

N. Y., New York—(Richmond)—(Official)—Low bid paving portion Pelton Ave., J. Johnson Sons, West New Brighton, $8,002. Noted July 20.

N. Y., Westfield—City let contracts paving to H. B. SPIRAL CONSTRUCTION CO., Peekskill, $24,232; WELDON CONTRACTING CO., Rahway, $5,927.

N. J., Bayonne—City let contracts paving: W. T. A. CRITCHFIELD, 2 Green St., Jersey City, 5th St. Contract 807, $19,934, 8th St. Contract 808, $13,214; CULLIFAN & MACHANSKA, Bayonne, 22d St., $60,663. Noted July 6.

N. J., Jersey City—Hudson County let contract improving Paterson Plank Rd. to NOLAN & HORNUNG. Noted June 22.

N. J., Madison—Borough Council let contract paving Lincoln Pl. to HASTINGS PAVING CO., $2.11 sq.yd.

N. J., Rahway—Union County let contract repairing portion St. George Ave., C. H. WINANS CO., 1st sect., $21,859; WELDON CONSTRUCTION CO., 2nd sect., $42,819.

Penn., Beaver Falls—City let contract paving 7th Ave. to J. G. McGUIRE & CO., New Brighton, $26,820. Noted July 27.

Penn., Bradford—City let contract paving Kendall Ave. to M. APPLEGATE & SON, Bradford, $12,075. Noted July 13.

Penn., Bradford—City let contract street improvements and sewer to J. B. SHEEHAN, $8,000.

Penn., Carnegie—(Official)—City let contract improving Washington Ave. to S. GAMBLE CO., Main St., $41,478.

Penn., Edgeworth—City let contract paving Challis and Shields Lanes to McPHERSON BROS.

Penn., Forks—City let contract 17,800 sq yd. paving to CENTRAL SUPPLY AND CONSTRUCTION CO., $1.85 per yd.

Penn., Harrisburg—City let contract paving May and Green St. to CENTRAL CONSTRUCTION AND SUPPLY CO., 222 Market St.

Penn., Harrisburg—City let contract paving Snow and Swatara St. to CENTRAL CONSTRUCTION AND SUPPLY CO., 222 Market St., $13,306. Noted July 27.

Penn., Harrisburg—State Highway Dept. let contracts roads: Chester County, Route 131, Sect. S, SOUDER CONSTRUCTION CO., Lancaster, $109,631; Forest County, State-Aid Application No. 320, SOUTH SHORE CONSTRUCTION CO., Erie, $11,527. Noted July 27.

Penn., Millvale—Borough let contract paving and curbing Stanton Ave and Howard St. to J. BATTENFELD, 6 Sedgwick St.

Penn., Nanticoke—(Official)—City let contract paving portion Washington St. to CARADOC REES, Nanticoke, $10,352.

Penn., Wilkes-Barre—City let contract paving portion Carey Ave. to HERRICK CONSTRUCTION CO., Bennett Bldg.

Penn., Windber—City let contract 5,700 sq yd. paving to TORQUATO BROS., Windber, $13,277. Noted July 13.

Penn., Wyoming—Borough let contract paving East 8th St. to O'BRIEN BROS., Avoca.

Penn., York—City let contract paving portions Princess, Charles and King St. to GENERAL SUPPLY AND CONSTRUCTION CO., York. Noted July 6.

Del., Newark—Delaware County let contract developing grounds to MANWARING & CUMMINGS, 1326 Chestnut St., Philadelphia, $45,000.

Md., Baltimore—City let contract paving, Contract No. 8, to SLINGLUFF-BROWNE CO., 1405 Munsey Bldg., $6,280.

Md., Baltimore—State Rd. Comn. let contracts paving to P. FLANIGAN & SONS, Hartford Ave. and 25th St., Baltimore, Liberty Heights Ave.; HOPE CONSTRUCTION CO., Denton, $8,785, Dorchester County Rd.; F. C. GROSSMAN, Equitable Bldg., Baltimore, $46,052, Emmittsburg-Thurmont Rd.; J. W. MARTIN, Annapolis, $12,192, Liberty Rd. Noted July 6.

Md., Baltimore—(Official)—City received low bids paving; P. F. Reddington, 321 St. Paul St., Contract No. 137, $18,476, Contract No. 138, $6,583; Baltimore Asphalt Block and Tile Co., Monroe and Lorman St., Contract No. 139, $120,323.

Md., Rockville—Montgomery County let contract 5½-mi. road to BROWN & GASKINS, Baltimore, $30,000.

Va., Pulaski—Pulaski County let contract completing Pulaski-Bland Rd. to N. F. WHITE and M. DAVIS, Sassin, $4,000.

W. Va., Burnsville—City let contract 1 mi. brick paving to J. FUCCY, Weston. Noted July 13.

N. C., Greensboro—City let contract paving Tate St. to R. G. LASSITER & CO.

N. C., Newbern—Craven County let contract paving 9 mi. road to GEORGIA ENGINEERING CO., Augusta. Noted June 22.

Ga., Atlanta—Fulton County let contracts paving to PITTMAN CONSTRUCTION CO., Lakewood Ave., $18,590, Mason & Turner Rd., $37,000, Hightower Rd., $28,120. Noted July 6.

Ala., Dothan—Houston County let contract 20 mi. road to H. L. WOFFARD & CO., Dothan. Noted June 29.

Tenn., Chattanooga—City let contract repaving Oak St. to WEST CONSTRUCTION CO., $24,000.

Tenn., Dyersburg—City let contract paving and storm sewers on 7 streets to MEMPHIS ASPHALT AND PAVING CO., 811 Fallo Bldg., Memphis. Noted July 6.

Ky., Bowling Green—Warren County let contract road work to R. L. GORRELL, Russellville. Noted July 6.

Ky., Lexington—City let contract sidewalks in Woodland Park and South Upper St. to F. T. JUSTICE & CO., Lexington.

Ky., Maysville—City let contract paving various streets to VASTINE & NOWLAND, 227 West 6th St., Covington, $14,314.

Ohio, Akron—City let contract improving portion Mallaison St. to McALONAN BROS., Akron. Noted June 29.

Ohio, Akron—City let contract paving Weber and Charlotte St. to E. McSHAFFERY & SON, $17,972. Noted July 27.

Streets and Roads (Continued)

Ohio, Akron—City let contract paving portion Bank St. to PAYNE ENGINEERING CO., 600 Second National Bank Bldg., $27,830.

Ohio, Alliance—City let contract paving East Patterson St. to DOWNS CONSTRUCTION CO., Canton.

Ohio, Barberton—City let contract paving portion Norton Ave. to C. H. WATTERS, 53 East Exchange St., Akron, about $16,000.

Ohio, Cleveland—Cuyahoga County let contract repaving Noble Rd. to McHUGH BROS., 8819 Yale Ave., $10,575. Noted June 3.

Ohio, Columbus—City received low bid paving portion Miller Ave. from A. G. Pugh, Union National Bank Bldg., $7,924.

Ohio, Dover—Cuyahoga County let contract paving 2d section Old Town Valley Rd. to NORMAN & SON, $19,000.

Ohio, Jamestown—City let contract paving to McCAREY & STARKS, Xenia, $25,000.

Ohio, Logan—City let contract improving Zanesville Ave. and High St. to HUSTON & HENDERSON, Coshocton.

Ohio, Mt. Gilead—City let contract paving Cherry St. to G. F. WIELAND, Mt. Gilead, $10,295. Noted July 13.

Ohio, Piqua—Bd. Control let contract paving West Ash St. to ANDREWS ASPHALT CONSTRUCTION CO., Hamilton.

Ohio, Steubenville—(Official)—City let contract improving Superior, Maple and Oakland St. to H. M. BATES, South 3d St., $11,386.

Ohio, West Salem—(Official)—Village let contract improving Main St. to PETERS & BAIRD, Wadsworth, $23,490. Noted July 6.

Ind., Ft. Wayne—Park Comrs. let contract curbing, guttering and sidewalks to GROSJEAN & ROEMER, Ft. Wayne, $12,586. Noted July 6.

Ind., Indianapolis—City let contract improving Keystone and School St. to R. E. M. CONSTRUCTION CO., Evansville, $26,800.

Ind., Muncie—City rejected bids for improving Myrtle Ave.

Ind., Muncie—City let contract paving 9th St. to W. TORRENCE.

Ind., North Vernon—City received low bid 16,000 sq.yd. brick paving from J. De Golyer, Seymour.

Ind., Plainfield—Town let contract brick paving to G. T. MILLER, Lebanon, $38,950. Noted July 27.

Ind., Plymouth—(Official)—City let contract sidewalks to F. APPLEMAN, Plymouth.

Ind., Richmond—Bd. Pub. Wks. let contract paving 17th, 18th St. and Reeveston Rd. to ANDREWS ASPHALT CONSTRUCTION CO., Hamilton, Ohio, $1.87 sq.yd.

Mich., Detroit—Council let contracts paving, DETROIT ASPHALT PAVING CO., Detroit, St. Jean Ave., $30,813; Maidstone Ave., $10,796, Piquette Ave., $8,366, Lumley Ave., $7,294; J. A. MERCIER, Seminole Ave., $26,548; THOMAS E. CURRIE, Waterloo Ave., $10,607; JULIUS PORATH & SON, Gibson Ave., $6,123.

Mich., Howell—City let contract paving portion Division and Walnut St. to WILLUSTON CONSTRUCTION CO., Rochester, $1.92 per sq.yd. Noted July 6.

Ill., Champaign—City let contract curbing, guttering and paving to STIPES & PILCHER, 108 North Walnut St., $22,000. Noted Apr. 13.

Ill., Cicero—City let contract paving 52nd St. to H. B. GOELITZ, 810 North Blvd., Oak Park.

Ill., Decatur—City let contract paving Prairie and East Main St. to S. A. TUTTLE, East Prairie St. Noted Apr. 27.

Ill., Dwight—City let contract paving various streets to D. F. UPTON, Odell, $35,000.

Ill., Fairfield—City let contract paving in Central Paving Dist. to B. S. and J. E. CRAINE CO., about $47,000. Noted July 6.

Ill., Glenellyn—City let contract paving to PEERLESS ENGINEERING AND CONSTRUCTION CO., $110,000.

Ill., Minonk—City let contract paving portion Chestnut St. to I. D. LAIN, Bloomington.

Ill., Mt. Carroll—City let contract paving to GUND-GRAHAM CO., Freeport, $14,000.

Ill., Peoria—City let contract paving to D. A. MEYER, Peoria, $36,000.

Ill., Peoria—(Official)—County let contract improving Farmington Rd. to BARNEWOLT CONSTRUCTION CO., Peoria, $12,761.

Ill., Peoria—City let contract paving portion McClure Ave. to McELWEN & BUSHELL, Peoria, $57,515. Noted July 20.

Ill., Ridgefarm—City let contract 35,157 yd. paving to SELL & KOLLAR, Pana, $70,759.

Wis., Kenosha—City let contract paving portion Pomeroy St. to PETERSON CONSTRUCTION CO., Kenosha, $23,144. Noted July 6.

Wis., La Crosse—(Official)—Bd. Pub. Wks. let contract brick paving to LA CROSSE STONE CORPORATION, 28th and Main St., $20,000. Noted July 13.

Wis., Oshkosh—Winnebago County let contract road to LARSEN CONSTRUCTION CO., Oshkosh.

Wis., Sparta—City received no bids for 2 blocks brick pavement. Work to be done by day labor.

Wis., Superior—Bd. Pub. Wks. let contract paving portion Logan Ave. to RUSSELL CONSTRUCTION CO.

Wis., West Allis—Bd. Pub. Wks. let contract paving portion 75th St. to KROENING CONSTRUCTION CO., Majestic Bldg., Milwaukee, $1.49 sq.yd. Noted July 27.

Wis., West Salem—City let contract paving Leonard, Hamilton and Jefferson St. to T. E. WOOLEY, La Crosse, $15,000.

Iowa, Atlantic—Cemetery Association received low bid paving Cemetery Rd. from G. Mancini, Florence, Neb., $1.45 granite trap rock and $1.25 crushed gravel or limestone concrete. Noted June 29.

Iowa, Clinton—City let contract paving Cherry St. to CENTRAL ENGINEERING CO., Davenport, $5,845.

Iowa, Cresco—City let contract paving and curbing streets to DECORAH CEMENT SIDEWALK CO., Decorah.

Iowa, Des Moines—City let contract paving 1st St. to J. HORRABIN & CO., 1422 Walnut St.

Iowa, Des Moines—City let contract paving Saylor Rd. and Sheridan Ave. to DES MOINES ASPHALT PAVING CO., 11th and Vine St.

Iowa, Dubuque—City let contract paving Locust St. to J. LEE, 207 West Locust St.

Iowa, Dubuque—(Official)—City let contract paving 16th St. to C. B. McNAMARA & CO., 280 West 17th St. Noted July 20.

Iowa, Monticello—(Official)—City let contract curbing and guttering to L. MINER, Monticello, $7,538.

Minn., Buhl—City let contract paving Jones and Forest St. to E. W. COONS CO., Hibbing.

Minn., Duluth—General Contracting Co., at $11,667, only bidder repaving 27th St.

Minn., Hutchinson—McLeod County let contract grading to ENGSTROM & HASFORD, Northfield, $36,000.

Minn., Pipestone—City let contracts paving: YANLEY CONSTRUCTION CO., Minneapolis, 1,886 sq.yd., $1.39, 38,462 sq.yd., $1.24, 11,000 cu.yd. grading, $0.45; L. FORSMAN, Pipestone, 19,248 ft. curbing, $5,503. Noted July 6.

Minn., Robbinsdale—City received bids paving Crystal Lake Ave. from General Coastruction Co., Minneapolis, $39,969, bitulithic, wood block, $46,042; Schugun Bros., Minneapolis, $25,900, concrete. Noted June 8.

Neb., Superior—City let contract paving to Watts and Ammerman, Salina, Kan., $22,000.

Mont., Great Falls—City let contract paving portion 5th St. to S. BIRCH & SONS CONSTRUCTION CO. Noted July 20.

Mont., Helena—City let contract paving portion Lawrence St. to RODGERS & ALLEN, $4,547. Noted Jan. 6.

Mont., Missoula—(Official)—City let contract paving in Special Improvement Dist. No. 42 to J. C. MAGUIRE, Butte, $33,331. Noted July 13.

Mo., Joplin—City let contract paving portion West 4th St. to V. E. KOCH, $28,119. Noted July 6.

Mo., Kansas City—Bd. Pub. Wks. let contracts paving: A. H. PITTINGER CONSTRUCTION CO., 4702½ Troost Ave., portion Troost Ave., $5,969; E. F. WILCOX, 592 Dwight Bldg., 62nd St., $5,212, Liberty St., $5,280.

Tex., Amarillo—Council let contract paving to WESTERN PAVING CO., about $50,000.

Tex., Dallas—Bd. City Comrs. let contract paving portion Forest Ave. and South Blvd. to WESTERN PAVING CO.

Idaho, American Falls—City let contract 12 mi. cement sidewalks and crosswalks, Improvement Dists. Nos. 8 and 9, to S. A. FOSTER, American Falls, $45,536.

Idaho, Boise—(Official)—City let contract paving Harrison, 8th, 16th and Jefferson St. and Harrison Blvd. to WARREN CONSTRUCTION CO., $100,313. Noted July 13.

Idaho, Moscow—City let contract paving North Main St. to STANDARD ASPHALT PAVING CO., Moscow, $11,826. Noted July 27.

Utah, Bingham—(Official)—Boxelder County let contract road work to M. L. ENSIGN and H. KELLER.

Utah, Salt Lake City—City received low bid paving portion 13th St., E., from P. J. Moran, $43,904. Noted June 6.

Ariz., Flagstaff—City let contract 59,000 sq.ft. sidewalks to WILLIAM J. MULLEN, $8,500. Noted Feb. 24.

Wash., Bremerton—Kitsap County let contract highway to KEMP & CLARKE, Seattle, $4,794.

Wash., Seattle—Bd. Pub. Wks. received low bid concrete walks on 39th Ave., S., from G. A. Banderet, Bellevue, $22,222.

Wash., Seattle—Bd. Pub. Wks. let contract paving 13th Ave. to P. J. McHUGH, 3d Ave., N., and Mercer St., $15,527.

Wash., Seattle—Bd. Pub. Wks. received bids paving Warren Ave.; P. J. McHugh, 3d Ave. N., and Mercer St., $32,083; A. J. Baumgartner, 711 16th St., $34,672; Washington Paving Co., Smith Bldg., $34,876. Noted Feb. 3.

Wash., Walla Walla—Walla Walla County let contract 3 mi. Permanent Highway No. 11 to L. L. LANNING, Walla Walla, $17,000. Noted June 15.

Ore., Astoria—City received low bid bitulithic paving from Western Paving Co., $10,000.

Ore., Astoria—City let contract paving to OREGON INDEPENDENT PAVING CO., $9,366.

Ore., North Bend—City let contract paving waterfront highway from Washington St. to city limits to ANDERSON & KLOCKERS, North Bend, $43,707. Noted July 27.

Calif., Arcadia—City let contract street work to A. HOLLOWAY, Pasadena, $24,375.

Calif., Los Angeles—City let contract paving portion Cassatt St. to J. HEIN, Los Angeles, $21,021.

Calif., Los Angeles—County received low bids paving portion Mesa Dr. from A. L. McCray, 234 West 28th St., Los Angeles, $11,380. Noted June 15.

Calif., Los Angeles—City let contract stone dust for 1 year to RIVERSIDE PORTLAND CEMENT CO., 640 Title Insurance Co., $2.75 per ton.

Calif., Ontario—City let contract about 49,000 sq.ft. 4-in. concrete paving to HEINAUER & KYLE, Watts, 9.23c. sq.ft.

Calif., Riverside—City let contract improving North Main St. to JOHNSON-SHEA CO., 5th and Main St., $35,496.

Ont., Woodstock—City let contract paving 12,000 sq.yd. Riddle St. to BRENNAN & HOLLINGSWORTH, Hamilton, $1.38½ per sq.yd.

INDUSTRIAL WORKS

Proposed Work

Mass., Worcester—Worcester Cold Storage and Warehouse Co. plans 4-story, 60x77-ft. addition on Hygeia St.

Conn., Bridgeport—American Electric Equipment Co., 115 Broadway, New York, making plans for factory. K. Thomas, 120 Broadway, New York, Arch.

Conn., Bristol—New Departure Manufacturing Co., 269 North Main St., plans 4-story brick factory on Valley St.

N. Y., Albany—American Biscuit Co. making plans for factory. About $14,000. Demers, Mosely & Campaigne, Ilium Bldg., Troy, Arch.

N. Y., Barryville—W. Rose Proctor soon receives bids for dairy building, hay and cow barns. A. Hopkins, 101 Park Ave., New York, Arch.

N. Y., Bath—Bath Harness Co. plans to rebuild factory. E. K. Derrick, Mgr.

N. Y., Buffalo—Acme Pattern and Machine Co. Inc., soon receives bids for 2-story, 100x176-ft. factory. About $50,000. G. Morton Welfe, Henkle Bldg., Arch. Noted June 22.

N. Y., Buffalo—Simmons Co., Kenosha, Wis., plans factory at Ellicott and Carroll St., Buffalo.

N. Y., Lockport—Niagara Emery Co. plans addition to plant. About $16,000.

N. Y., New York—(Bronx)—John O'Leary, 991 East 167th St., made plans for 1-story, 75x75-ft. factory at 188th St. and Washington Ave., about $12,000. J. P. Boyland, 2526 Webster Ave., Arch.

N. Y., New York—(Bronx)—Port Morris Chemical Works, Locust Ave. and 140th St., made plans for 3-story brick storage building, about $18,000. J. P. Boyland, 2526 Webster Ave., Arch.

N. Y., New York—(Bronx)—Webster & Tremont Building Co., 1662 Boston Rd., made plans for 5-story rein.-con. garage at Grand Blvd. and Concourse. About $70,000. S. J. Kessler, 232 East 165th St., Arch.

N. Y., New York—(Brooklyn)—H. Hermendinger, 9 Washington Ave., made plans 2-story factory north side Johnson Ave., about $25,000.

N. Y., New York—(Borough of Brooklyn)—D. Laurecella, 213 Schenectady Ave., making plans 1-story garage, about $25,000. J. C. Wandell, 4 Court Sq., Arch.

N. Y., New York—(Manhattan)— Corporation of Florida made plans for 5-story, 25x75-ft. warehouse. About $20,000. J. L. Jackson, 69 Barrow St., Gen. Mgr.

N. Y., New York—(Manhattan)—M. A. Cramer, 153 East 79th St., made plans for 5-story rein.-con. garage at 184 East 70th St. About $100,000. G. F. Pelham, Inc., 30 East 42d St., Arch.

N. Y., New York—(Manhattan)—M. Greenberg, 302 East 82d St., made plans for 2-story brick garage at 228 East 35th St. About $25,000. L. A. Sheinart, 194 Bowery, Arch.

N. Y., New York—(Manhattan)—Joseph Levy, 18 West 115th St., making plans for 4-story, 40x100-ft. brick garage, about $30,000. Sommerfeld & Steckler, 31 Union Sq., Arch.

N. Y., New York—(Manhattan)—L. Schumacher, 1128 1st Ave., receives bids soon garage, 62d St. and 1st Ave., about $25,000. L. A. Sheinart, 192 Bowery, Arch.

N. Y., New York—(Manhattan)—307 West 36th St. Corporation made plans for 12-story brick and concrete factory, about $100,000. Maynicke & Franke, 25 Madison Ave., Arch.

Industrial Works (Continued)

N. Y., New York—(Manhattan)—West 42d-43d St. Corporation made plans for 22-story brick and concrete factory at 351 West 42d St., about $600,000. Maynicke & Franke, 25 Madison Ave., Arch.

N. Y., New York—(Queens)—Norma Co. of America made plans for 4-story rein.-con. factory at Queens Blvd. and Long Island R.R. Francisco & Jacobus, 200 5th Ave., Manhattan, Arch. Noted June 22.

N. Y., Salamanca—Fancher Furniture Co. making plans for 3-story, 50x100-ft. addition to factory. A. T. Fancher, Pres.

N. Y., Schenectady—C. Williams, Clinton St., making plans for 2-story dairy and pasteurizing plant. About $18,000. W. E. Stephens, 152 Barrett St., Arch.

N. Y., Syracuse—Will & Baumer soon receives bids for 3-story, 70x178-ft. addition. About $300,000. G. L. Noble, Union Bldg., Arch. Noted Feb. 3.

N. Y., Wellsville—Moore Steam Turbine Co. made plans for 2-story, 80x100-ft. factory.

N. J., Bayonne—Duryea Manufacturing Co. making plans for 180x287-ft. factory, 2d St. and Ave. C.

N. J., Jersey City—Lackawanna Terminal Stores Co., 15th and Provost St., plans several warehouses.

N. J., Red Bank—Red Bank Skirt Manufacturing Co. making plans 2-story factory east side Wharf Ave., about $15,000. F. M. Truex, 1170 Broadway, New York, Arch. Noted July 6.

Penn., Darby—International Steel Treating Co. plans plant.

Penn., Harrisburg—New Idea Hosiery Co. plans 4-story, brick, factory at 14th and Mayflower St.

Penn., McKees Rocks—Carnegie Steel Co. plans 3d unit to Schoen Steel Wheel plant at McKees Rocks.

Penn., Philadelphia—A. Geissell & Son, 485 North 3rd St., making plans for 4-story addition to warehouse. C. P. Berger Co., Pennsylvania Square Bldg., Arch.

Penn., Philadelphia—Packard Motor Car Co., 317 North Broad St., making plans for 8-story, 49x69-ft. service building, 1320 Wood St. A. Kahn, Detroit, Mich., Arch.

Penn., Philadelphia—Smith, Kline & French Co., 429 Arch St., making plans for 7-story factory at 5th and Arch St. W. C. Furber, 418 Walnut St., Arch.

Penn., Philadelphia—Surpass Leather Co. making plans for 1-story addition. Brockie & Hastings, 1713 Sansom St., Arch.

Penn., Philadelphia—J. J. Wolf made plans for 2-story, brick bottling plant. About $50,000. Peuckert & Wonder, Arch.

Penn., Reading—International Money Machine Co., Terre Haute, Ind., plans factory at Reading, about $70,000.

Penn., Scranton—Wagner Fire Brick Co. plans factory, about $100,000.

Penn., Shawmut—Shawmut Paving Brick Works plan addition to plant.

Penn., Williamsport—Armour & Co. plans to enlarge J. K. Mosser tannery.

Penn., York—Bell Motor Car Co. making plans for 1-story, 108x240-ft. factory. H. M. Stauffer, Pres. Noted July 6.

Penn., York—Edison Light and Power Co. making plans for 2-story, 32x120-ft. warehouse. About $15,000. E. Leber, York, Arch.

Md., Baltimore—Baltimore Roofing and Asbestos Co. plans 2 additions.

Md., Baltimore—Pennsylvania R.R. will rebuild Northern Central Ry. grain elevator No. 3. About $2,000,000. A. C. Shand, Broad St. Station, Philadelphia, Ch. Engr.

Va., Richmond—J. B. Mosby & Co., Inc., 13 West Broad St., making plans for 6-story plant, Broad and Jefferson St. About $150,000. Carneal & Johnston, Arch.

Va., Richmond—Union Envelope Co. plans 2-story addition, about $33,000.

W. Va., Fairmont—Fairmont Art Glass Co. will rebuild plant.

Ga., Augusta—Georgia—Carolina Packing Co. plans plant. About $250,000.

Ga., Porterdale—Bibb Manufacturing Co., Macon, plans cotton mill. About $500,000.

Fla., Manatee—Rushton Lumber Co. plans factory. About $10,000.

Fla., Tampa—Bates-Hudnall-Jetton Co. to build planing mill. E. Bates, Pres.

Ala., Jackson—Zimmerman Manufacturing Co. plans 20x104-ft. factory.

La., Shreveport—Wray-Dickinson making plans for rein.-con. garage. About $80,000.

Tenn., Memphis—Kelsey Wheel Co. making plans for factory and power house. A. E. Mahannah, Mgr.

Tenn., Rockwood—Sewell Howard plans factory. About $50,000.

Ky., Louisville—National Foundry and Machine Co., 1408 West Main St., plans additions to plant. About $200,000.

Ky., Perryville—Russell Bros. Co. made plans ice and electric-light plants, about $50,000.

Ohio, Canton—Timken Detroit Axle Co. made plans for 200x400-ft. foundry. E. R. Timken, 136 Clark Ave., Detroit, Pres.

Ohio, Cincinnati—Bodman Estate, 621 Main St. plans 80x200-ft. factory. S. Hanneford & Sons, Hulbert Blk., Arch.

Ohio, Cleveland—P. A. Geier Co. granted permit for 2-story factory, 5108 St. Clair Ave., $12,000.

Ohio, Cleveland—D. O. Summers Cleaning and Laundry Co. plans additions to plant at 6200 Carnegie Ave. About $11,800.

Ohio, Cleveland—Torbenson Gear and Axle Co. plans plant. About $75,000.

Ohio, Cleveland Heights—(Warrensville post office)—National Carbon Co., Madison and West 177th St., making plans for 2-story garage. About $30,000. Howell & Thomas, Cuyahoga Bldg., Cleveland, Arch.

Ohio, Galion—National Grave Vault Co., Heidelberg St., plans 2-story addition.

Ohio, Springfield—Safety Emery Wheel Co. plans additions to plant. J. B. Baker, Secy. and Treas.

Ind., Evansville—National Biscuit Co. plans cracker factory, 920-22 Walnut St.

Ind., Ft. Wayne—Furnas Ice Cream Co. making plans 2-story factory, about $30,000. W. L. Jones, 613 Lafayette St., Mgr. J. M. Riedel, 305 Schmitz Bldg., Arch.

Ind., Indianapolis—H. H. Hassler Corporation, 1535 Maomi St., plans automobile plant, about $44,000.

Ind., Indianapolis—Holcomb & Hoke Manufacturing Co., 1453 Van Buren St., making plans for machine shop and assembling building. McMeans & Tripp, 509 Majestic Bldg., Arch.

Ind., Indianapolis—National Glue Co. made plans for 1-story, 60x150-ft. factory. McMeans & Tripp, 510 Majestic Bldg., Arch.

Ind., Terre Haute—Indiana-Illinois Elevator Co. plans grain elevators. About $175,000. P. Kahn, Pres.

Mich., Benton Harbor—C. H. Godfrey & Son making plans for factory. About $40,000.

Mich., Detroit—J. Beyster, 875 Fort St., W., made plans for 1-story, 50x100-ft. factory. About $12,000. F. D. Madison, 412 Washington Ave., Royal Oak, Arch.

Mich., Detroit—Digestive Ferments Co., 16-26 Locust St., plans factory.

Mich., Detroit—Ideal Electric Co., 763 Gratiot Ave., making plans for 2-story, 38x85-ft. factory. F. Swirsky & Co., 201 Equity Bldg., Arch.

Mich., Detroit—S. K. Rothschild, 616 Hammond Bldg., making plans for 3-story, 80x80-ft. factory. Baxter, O'Dell & Halpin, 1027 Hammond Bldg., Arch.

Mich., Marquette—Piqua Handle Manufacturing Co. making plans for factory, 2-story. Wernette, Bradfield & Mead, Arch. Noted June 8.

Mich., Pontiac—Oakland Motor Car Co. plans addition to plant. F. W. Warner, Gen. Mgr.

Ill., Chicago—Albright-Nell Co., 4019 Wentworth Ave., making plans for 2-story, 100x150-ft. machine shop. Noted July 20.

Ill., Fayville—Aetna Powder Works plans plant. About $75,000. C. P. Messersmith, Supt.

Ill., La Salle—L. V. Orsinger making plans for bakery. About $18,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch.

Wis., Baldwin—Baldwin Co-Operative Creamery Association plans creamery. About $50,000. J. Nymon, Mgr.

Wis., Beloit—Chesbrough & Moss making plans for 3-story, 60x124-ft. warehouse and office building. Peterson & Johnson, Lundberg Bldg., Rockford, Ill., Arch.

Wis., La Crosse—Wisconsin Railway Light and Power Co. making plans for car station, office building and employees' rooms, about $17,500. Smith-Peterson, 32 University Bldg., Milwaukee, Arch. P. Valier, First National Bank Bldg., Milwaukee, Mgr.

Wis., Milwaukee—Skubal & Schaurer, 204 Becher St., making plans for 2-story, 48x120-ft. shop.

Iowa, Des Moines—Globe Machinery and Supply Co. plans 6-story factory and warehouse, 4th and Court Ave. About $100,000.

Iowa, Des Moines—Iowa State College plans dairy farm. Proudfoot, Bird & Rawson, Hubbell Bldg., Des Moines, Arch.

Iowa, Dubuque—Carr, Ryder & Adams Co. plans addition to plant, Washington St., $12,000.

Iowa, Sioux City—Mariner & Supy, Inc., 510 Douglas St., making plans for 1-story, 50x150-ft. factory. About $18,000. Noted July 20.

Minn., Duluth—Anderson Meter Co. plans to build factory for manufacture of automatic water heater. W. P. Heimbach is Pres.

Minn., Winona—L. G. Campbell Milling Co. soon receives bids for rein.-con. storage building. About $20,000. Toltz Engineering Co., Pioneer Bldg., St. Paul, Engr. Noted June 29.

Kan., Chanute—Western Drilling Tool and Supply Co. plans to rebuild plant. E. G. Elliott, Pres.

Mont., Anaconda—W. Barth plans commercial garage and machine shop, Clark and Mercury St., about $20,000.

Mont., Butte—Wasserman Laboratories plan laboratory, about $100,000.

Mo., Kansas City—Frank Knapp & Son plan rein.-con. warehouse. About $20,000.

Mo., St. Louis—American Water Heater Co. Title Guaranty Bldg., plans factory. About $12,000.

Mo., St. Louis—Becker-Moore Paint Co., 1210 Olive St., plans 3-story, 60x140-ft. factory at 2d and Carroll St.

Mo., St. Louis—Florida Fruit Co. plans factory at 2911 Washington Ave. About $10,000. E. M. Roberts, Pres.

Ark., Little Rock—Arkansas Brick and Tile Co. acquired plant of Arkansas Brick and Manufacturing Co. and Clark Pressed Brick Co. and will improve and enlarge both plants. Address W. A. Hicks.

Tex., Dallas—Busch Estate plans laundry. About $100,000.

Tex., Dallas—Texas Bludwine Co. plans plant. About $30,000. N. G. Cofer, interested.

Tex., Ft. Worth—Nissley Creamery Co. making plans for 100x200-ft. plant.

Okla., Tulsa—Milliken Co. plans crude oil refinery, about $1,000,000.

Nev., Reno—Gyrotor Corporation recently incorporated plans factory for manufacture of machinery. R. T. Ashley, Virginia City, interested.

Ariz., Douglas—Douglas Traction and Light Co. plans ice factory, about $100,000. J. S. Douglas, Pres.

Calif., Long Beach—Economy Paper Co., Los Angeles, making plans for factory, Daisy and Anaheim Ave. J. M. Cooper, and W. Douglas Lee, Marsh-Strong Bldg., Los Angeles, Assoc. Arch.

Calif., Los Angeles—Central Milling Co. plans 5-story brick flour mill at Commercial and Vines St. J. M. Gardiner, 518 Byrne Bldg., Pres.

Calif., Los Angeles—Industrial Terminal Ry. Co. plans terminal and warehouses at Allison and Alameda St. L. E. Hanchett, San Francisco, Pres.

Calif., Modesto—Modesto Creamery Co. plans cheese factory, about $10,000.

Calif., San Francisco—American Ever Ready Works of National Carbon Co., 755 Folsom St., plans 4-story factory at 8th and Brannon St., about $250,000.

N. S., Sydney—Sydney Foundry and Machine Co. plans foundry, shipbuilding plant and marine repair shops, about $75,000.

Ont., Deseronto—Dominion Hardwood Co. plans to rebuild factory.

Ont., Fergus—Beattie Bros. making plans for addition to plant. About $40,000.

Ont., London—Hunt Milling Co. plans addition, about $50,000.

B. C., Quatsino—Colonial Lumber and Paper Mills, Standard Bank Bldg., Vancouver, plans plant at Quatsino. About $100,000.

Bids In and Contracts Awarded

N. H., Franklin Falls—(Franklin post office)—M. T. Stevens Son Co., North Andover, Mass., let contract 1-story, 70x140-ft. addition to H. P. CUMMINGS CONSTRUCTION CO., Ware, Mass.

Mass., Amherst—Massachusetts Agricultural College let contract 1-story, 84x126-ft. shop to G. E. BOSWORTH & SON, Amherst. About $12,000.

Mass., Boston—Bay State Fishing Co., South Boston, let contract 2-story, 50x120-ft. storage building to GASCOIGNE & GODDARD, 19 Milk St. About $20,000.

Mass., Lowell—Consolidated Rendering Co. let contract storage, tank, furnace and tower buildings to H. A. PETERS CO., 19 South La Salle St., Chicago; chamber building to NEW ENGLAND STRUCTURAL CO., 110 State St., Boston.

Mass., New Bedford—W. C. Jones, Nash Rd., let contract addition to GASCOIGNE & GODDARD, 19 Milk St., Boston. Noted July 13.

Mass., Watertown—Perkins Institute for Blind, North Beacon St., let contract printing building to HORTON & HEMENWAY, 683 Atlantic Ave., Boston. About $40,000.

R. I., East Providence—Glenlyon Dye Works let contract 1-story, 100x280-ft. addition bleachery to B. F. SMITH CONSTRUCTION CO., 11 Broadway, New York. About $40,000.

R. I., Woonsocket—American Paper Tube Co., Hazel St., let contract addition to TURNER CONSTRUCTION CO., 11 Broadway, New York. About $75,000.

Conn., Cheshire—Connecticut Brass Co., Inc., let contract 1-story, 40x140-ft. casting shop to H. WALES LINES CO., 134 State St., Meriden. About $15,000. Noted May 25.

N. Y., Buffalo—Buffalo Pottery Co. let contract plant to ABERTHAW CONSTRUCTION CO., 27 School St., Boston, Mass.

N. Y., Buffalo—W. F. Emerson, 196 Winchester Ave., received low bid for 2-story factory and office building from E. Roos, 584 Linwood Ave. About $10,000.

N. Y., Jamestown—Jamestown Curtain Rod Co. let contract 1-story addition to MICHAIL MORTONSON, 211 Palmer St., $10,000. Noted May 11.

Industrial Works (Continued)

N. Y., New York—(Brooklyn)—Duiguid Bros., 784 Prospect Pl., let contract 2-story, brick garage at Atlantic and Grand Ave. to W. FLANNAGAN, 188 East 28th St., Manhattan, about $25,000.

N. Y., New York—(Brooklyn)—A. G. Spaulding Bros., Pacific St. and 6th Ave., let contract 6-story addition to R. H. HOEWES CONSTRUCTION CO., 105 West 40th St., Manhattan, $10 000. Noted July 27.

N. Y., New York—(Manhattan)—Philip and Lewis Brenner, 60 Division St., let contract 5-story factory to M. GOLDBERG, 853 Beck St. About $12,000. Noted June 15.

N. Y., New York—(Manhattan)—E. Downey, 552 West 35th St., let contract alterations to factory at 507-9 West 35th St. to BUCKLEY CONSTRUCTION CO., 303 5th Ave.

N. Y., New York—(Manhattan)—R. W. Goelet, Newport, R. I., let contract garage to be leased by Biltmore Garage Co., Inc., 233 Broadway, to INDUSTRIAL ENGINEERING CO., 30 Church St., $63 000.

N. Y., New York—(Manhattan)—John Wanamaker, 784 Broadway, let contract garage, factory and store to W. STEELE & SON CO., 1700 Arch., St., Philadelphia, about $700,000.

N. Y., Niagara Falls—Hydrol Co., 125 Front St., New York, let contract 2-story, 50x100-ft. factory at Union and Iroquois St. to F. OLLAK, 405 Lexington Ave., New York. About $30,000. Noted June 29.

N. Y., Niagara Falls—Reversible Trigger Lock Co. let contract 1-story, 50x100-ft. factory, Bath St. and Whirlpool Ave., to BROWN-POLLARD CONSTRUCTION CO., Gluck Bldg.

N. Y., Pyrites—De Grass Paper Co. let contract 2-story, 50x150-ft. addition to E. K. FENNO, North Beech St., Syracuse.

N. Y., Syracuse—Gibson—Snow Co. let contract 1-story, 38x46-ft. warehouse to E. K. FENNO, North Beech St. About $10,000.

N. Y., Yonkers—Ford Motor Co. let contract 4-story service station to G. T. KELLY CO., 20 John St., $50,000.

N. J., Harrison—Crucible Steel Co. of America, South 4th St., let contract storage building to W. H. & F. W. CANE, Woolworth Bldg., New York. Noted Dec. 2.

N. J., Hoboken—R. G. Davis Co., 8 Jackson St., let contract 5-story, 100x200-ft. addition to O. W. SHELLY.

N. J., Jersey City—N. E. Cook Oil Co. let contract, 2-story addition warehouse to J. E. VROMAN CO., 138 4th St., Union Hill, (Weehawken post office).

N. J., Jersey City—Kiernan-Hughes Co., 349 9th St., let contract factory, Brunswick and 9th St., to J. BILLINGTON & SONS, 2614 Blvd., about $17,000.

N. J., Morristown—W. T. Enslee, 70 Elm St., let contract 3-story storage building to PIO & KENNEDY, 41 Water St. About $10,000.

N. J., Paterson—Flory Silk Dyeing and Finishing Co., 1 Clinton St., let contract 1-story, 54x142-ft. factory to J. H. STEELE & SON, 140 Market St. About $11,000.

N. J., Red Bank—Waters & Osborn Co., Chestnut St., let contract 2-story factory to QUACKENBUSH & LEONARD, 36 Hudson Ave. About $10,000.

Penn., Mt. Carmel—Mt. Carmel Silk Manufacturing Co. let contract additions to plant to G. H. KEEFER, Mt. Carmel. Noted July 20.

Penn., Philadelphia—Bergner & Engel Brewing Co. let contract 1-story warehouse at Pennsylvania Ave. and 33rd St. to E. E. HOLLENBACK, 200 North 15th St. About $60,000.

Penn., Philadelphia—Ferris Shoe Co. let contract 5-story factory, Janney and Monmouth St., to L. H. SMITH, 23 North 63rd St., Philadelphia. Noted July 6.

Penn., Philadelphia—Kopperman & Sons, 307 Florist St., let contract 2-story addition, to MONAGHAN & LOSSE, 214 South 12th St. Noted July 20.

Penn., Philadelphia—C. L. Marks, 146 North 13th St., let contract 3-story, 54x125-ft. garage to McCLOSKEY & BAHLS, Hale Bldg. About $10,000.

Penn., Philadelphia—Rushton Marot, 212 Race St., let contract factory and warehouse to W. BEAUMONT, St. Girard Bldg.

Penn., Philadelphia—National Drug Co., 4679 Stenton Ave., let contract 3-story factory to MELODY & KEATING, Bailey Bldg., Philadelphia. About $30,000. Noted July 20.

Penn., Philadelphia—Pennsylvania Salt Manufacturing Co. let contract warehouse, Delaware Ave. and Oregon St., to BOLLINGER-ANDREWS CONSTRUCTION CO., Empire Bldg., Pittsburgh, $160,000.

Penn., Philadelphia—Pestcoe Bros. & Co. let contract 4-story factory, 216 South 3rd St., to A. SHESTACK, 528 Reed St. About $14,000.

Penn., Philadelphia—Wampole & Co. let contract 3-story, 23x90-ft. factory, 424 Fairmount Ave., to STEWART BROS., 2526 North Orkney St. About $12,000.

Del., Wilmington—Pyrites Co. let contract 1-story plant to E. W. MINTER CO., 115 Broadway, New York. Noted Mar. 9.

Md., Baltimore—Chemical Pigment Corporation, Land Title Bldg., Philadelphia, let contract factory to H. E. BATON, 12th and Sansom St., Philadelphia. Noted July 20.

Md., Baltimore—Konstantin Jouvraleff let contract factory to WEST CONSTRUCTION CO., Knickerbocker Bldg., Baltimore. About $12,000.

Md., Baltimore—B. Shapiro, 4818 Park Heights Ave., let contract 2-story warehouse, 824 South Eutaw St., to W. A. PARR, 1521 East North Ave. About $10,000.

D. C., Washington—A. M. Craig let contract warehouse to BOYLE-ROBERTSON CONSTRUCTION CO., 1516 H St., N. W., $66,000.

Va., Richmond—Cohen Co. let contract 5-story addition to H. L. MATHEWS, Richmond, about $50,000.

Va., Richmond—Union Envelope Co. let contract 2-story, 79x150-ft. plant to TRAVERS, WOOD CO., American National Bank Bldg. About $40,000.

W. Va., Huntington—Gwinn Bros. Milling Co. let contract 6-story grain elevator and office building to BURRELL ENGINEERING AND CONSTRUCTION CO., 323 South La Salle St., Chicago. About $40,000. Noted Feb. 10.

N. C., Burlington—J. N. Williamson & Sons Co. let contract additions to mill to GALLIVAN BUILDING CO., Greenville, $50,000.

Fla., Kissimmee—Kissimmee Citrus Grower's Association let contract for improving and enlarging plant to W. L. DUSENBURY.

Ohio, Cincinnati—Barrett Manufacturing Co., 17 Battery Pl., New York, let contract warehouse, Carr and Sargent St., to McMILLER & TAFT, about $20 000. Noted Mar. 30.

Ohio, Cleveland—American Stove Co. let contract additions to BOLDT LOW CONSTRUCTION CO., Swetland Bldg. Noted June 1.

Ohio, Cleveland—Columbia Hardware Co., 1296 East 53rd St., let contract 2-story addition to CAMPBELL-COCKBORN CONSTRUCTION CO., Euclid and East 65th St. About $10,000.

Ohio, Cleveland—Elyria Iron and Steel Co. let contract 1-story, 160x210-ft. factory to S. AUSTIN, 14230 Euclid Ave. About $80,000. Noted July 27.

Ohio, Cleveland—Republic Structural Iron Works Co., 1270 East 53d St., let contract 1-story factory to CAMPBELL COCKBURN CO., Vickers Bldg. About $10,000.

Ohio, Cleveland—Taylor Machine Co. let contract 2-story, 43x134-ft. addition to W. DUNBAR CO., 8201 Cedar Ave. About $12,000.

Ohio, Dayton—Domestic Engineering Co. let contract factory to DENIS-HUNT CONSTRUCTION CO., Dayton, $500,000.

Ohio, Dayton—Manufacturers' Production Co. let contract factory to STRUCTURAL CONCRETE CO., 755 Reibold Bldg. Noted June 22.

Ohio, Springfield—M. L. and W. B. Kleeman let contract 3-story, 40x90-ft. warehouse on West Washington St. to J. D. REERDER. About $10,000. Noted July 13.

Ind., Evansville—Orr Investment Co. received low bid for 3-story garage on Vine St. from C. Kanzler & Son, 325 American Trust Bldg. About $27,000. Noted July 20.

Ind., Indianapolis—W. J. Coleman, 127 East Market St., let contract public garage to C. C. URBAN, 456 Berwick Ave., $41,000.

Ill., Chicago—E. H. Bergson, 3931 Milwaukee Ave., let contract warehouse to JENSEN & STEENHILL, 105 South Dearborn St., $45,000.

Ill., Chicago—Central Manufacturing Dist., 1118 West 35th St., let contract warehouse to G. A. FULLER CO., 140 South Dearborn St., $270,000.

Ill., Chicago—Norgaard & Christensen, 1616 North Campbell Ave., let contract 1-story machine shop, 1750 North California Ave., to S. W. KNOX, 31 North Parkside Ave., Chicago. About $10,000.

Ill., Chicago—Sherwin-Williams Co., 116th and Stephenson St., let contract 1-story factory, Kensington Ave., to C. W. SECORD, 437 West 117th St.

Ill., Chicago—Sulzberger & Sons, 41st and Ashland Ave., let contract 4-story, 50x118-ft. oil house to SUMMER, SOLLITT CO., 79 East Adams St. About $35,000.

Ill., Chicago—Texas Co., 17 Battery Pl., New York, let contract Archer Ave. distributing station to G. A. FULLER CO., 140 South Dearborn St., Chicago.

Ill., Decatur—Mueller, Platt & Wheeland let contract warehouse to L. N. COPE & SON.

Ill., Joliet—Moore Bros. Co., Benton and Michigan Ave., let contract masonry 1-story, 42x260-ft. addition No. 2 to A. W. SMITH, 102 North Raynor St.

Wis., Appleton—Appleton Volksfreund let contract 2-story, 35x111-ft. printing and office building to APPLETON CONSTRUCTION CO., 5 Odd Fellows Bldg.

Wis., Granville—Milwaukee County received low bid for factory at new house of correction, 2 sets of plans, from Aetna Construction Co., Merrill Bldg., $54 290 and $44,640. Louis G. Widule, County Clk. Noted Mar. 30.

Wis., Manitowoc—Aluminum Goods Manufacturing Co. let 3-story, 55x65-ft. and 50x143-ft. additions to W. W. OFFLEIN, Milwaukee. Noted May 25.

Wis., Milwaukee—C. H. Armiger, 770 Greenbush St., let contract warehouse to NORTHERN CONSTRUCTION CO., Milwaukee, $10,000.

Wis., Sheboygan—Wald Manufacturing Co., 19th and Martin Ave., let contract 1-story addition to MORRIS SCHUCKHART, 1511 North 6th St. Noted July 6.

Minn., Minneapolis—Hennepin County received low bid for 1-story, 25x50-ft. laundry at Hennepin County Detention Home from L. M. Bartlett, 2544 South Aldrich Ave. Noted June 1.

Minn., St. Paul—St. Paul Milling Co. let contract 5-story, 49x120-ft. flour mill to W. J. HOY CO., 700 Metropolitan Bldg. About $100,000. Noted Apr. 13.

Minn., Two Harbors—Duluth & Iron Range Railroad Co. let contract superstructure car repair shop to BOWE-BURKE CONTRACTING CO., St. Paul; steel work, AMERICAN BRIDGE CO.; concrete and timber work Dock No. 2, NEWTON ENGINEERING CO., Milwaukee. Noted Jan. 6.

Kan., Wichita—Wichita Terminal Elevator Co. let contract grain elevator to OTTO LERICK CONSTRUCTION CO., Kansas City. About $300,000. Noted May 18.

Mo., Kansas City—Metzner Stove Repair Co., 304 West 6th St., let contract 2-story, 52x152-ft., brick, warehouse to WELLER & HUGHES, 6018 Woodland Ave., $20,000.

Ark., Little Rock—O. G. Tucker let contract to remodel building at 209-11 West 3rd St. for garage and printing plant to OGLETREE & CARTER, Little Rock, about $14,000.

Tex., Paris—Crook-Record Co. let contract 3-story building to FINN-OWINGS CO., $75,000.

Tex., San Antonio—Gunther Milling Co. let contract flour mill to LEHRACK CONTRACTING AND ENGINEERING CO., 725 Gloyd Bldg., Kansas City, Mo. About $30,000.

Okla., Ardmore—Pennington Grocery Co. let contract 2-story, 93x120-ft. brick and stone warehouse to L. F. LEE CONSTRUCTION CO., Oklahoma City, $30,000.

Ont., Oshawa—Chevrolet Motor Co. let contract plant to JOHN STACEY, Oshawa, about $50,000. Noted July 20.

Ont., Toronto—T. Eaton Co. let contract rein.-con. factory to THOMSON BROS., Rusholme Rd. About $60,000. Noted July 20.

Man., Winnipeg—Woodward Elevator Co. let contract grain elevator to WESTERN IMPROVEMENT CO., Minot, N. D.

FEDERAL GOVERNMENT WORK

Proposed Work

Mass., Gloucester—Retaining Basin—Comr. Fisheries, Dept. Commerce, Washington, receiving bids Aug. 18 at Fisheries Sta.

Mass., Quincy—Dredging—U. S. House and Senate plans dredging Fore River, 24 ft. About $200,000. City appropriated $10,000, state, $75,000 and Fore River Co., $15,000.

N. Y., New York—Fortification—War Dept., Washington, making preliminary plans for fortification at Rockaway Beach, to include, wharf, storehouse, barracks, railway, etc. About $5,000,000, an appropriation of $1,400,000 having been made. F. V. Abbott, Col. U. S. Engineer Corps.

N. Y., New York—Hospital, Etc.—Depot Quartermaster, Ft. Hamilton, receiving bids Aug. 5 repairing hospital and dead house.

Penn., Philadelphia—Riprap—Lighthouse Inspector, Philadelphia, receiving bids Aug. 7 for 800 tons large riprap at Ship John Shoal Light Sta., Delaware Bay. (See adv.)

D. C., Washington—Congress killed Public Building Bill for this session.

D. C., Washington—Steps—Commissioners D. C. receiving bids Aug. 15 for rein.-con. steps in Garfield Park, S. E. O. P. Newman, Chn. Comrs.

W. Va., Wheeling—Gate Operating Machinery—U. S. Engineer Office, Wheeling, receiving bids Aug. 14, at dams Nos. 16 and 17, Ohio River. (See adv.)

Tex., El Paso—Repair Plant—U. S. Government plans at Ft. Bliss.

Calif., San Francisco—Pipe Line—Navy Dept. making plans.

China, Peking—Ice Plant—F. R. Harris, Ch. Bureau of Yards and Docks, Navy Dept., Washington, receiving bids Sept. 2, U. S. Marine Barracks. Noted July 20.

Bids In and Contracts Awarded

D. C., Washington—Building—Low bid received July 6 at Office of Constructing Quartermaster, U. S. Soldiers Home, Washington, for nurses home and addition to present building from Melton Construction Co., 11th and H St., $56,829 and J. L. Nolan Construction Co., Washington, $51,105, respectively. Noted June 15.

Va., Arlington—Approaches—Arlington Memorial Amphitheater Comn., 1729 New York Ave., received bids approaches to Memorial Amphitheater, Arlington National Cemetery, (a) Bix Island granite, (b) Narragansett, (c) Ston-

Federal Government Work (Continued)

ington, (d) Stone Mountain, (e) Concord, (f) Bedford Pink, from: Marble Arch. Co., New York, (a) $134,200, (b) $135,900, (c) $120,200, (d) $112,200; J. H. Parker Co., New York, (d) $114,950, (e) $116,950, (f) $139,950, (b) $130,-650; G. A. Fuller Co., New York, (a) $112,500, (d) $102,000, (f) $130,000. Noted July 13.

Ohio, Cincinnati—Cement—U. S. Engineer Office received low bids for cement for repairing Dam 12, Kentucky River, from Kosmos Portland Cement Co., Inc., 614 Paul Jones Bldg., Louisville, $1.61; Louisville Cement Co., Louisville, $1.74; Universal Portland Cement Co., 522 Frick Bldg., Pittsburgh, $2.14.

Ohio, Cleveland—Stonework—Low bid received July 11, for stone superstructure on breakwater, Cleveland Harbor, Dillen Dock Dredge and Construction Co., Racine, Wis., $50,375. Noted June 22.

Minn., Winona — Mailing Platform — Government let contract repairs mailing platform in post office to F. BESELER, 1174 West 6th St., $6,725.

Mont., Malta—Structures—U. S. Reclamation Ser. let contract earth work and structures, Bowdoin Canal, Milk River Project, Schedule 1, to J. O'CONNOR, Malta, $21,743; Schedule 2, SECURITY BRIDGE CO., Minneapolis, $7,847. Noted July 13.

Mont., St. Ignatius—Irrigation—E. D. Covell, Ronan, $38,092, submitted lowest bid canals and structures on Flathead Project. E. F. Taber, Project Mgr., U. S. Reclamation Ser. Noted June 15.

Tex., Galveston—Boat Basin—Government rejected only bid. Noted July 20.

Wash., North Head—Radio Mast—Navy Dept. received low bids, Naval Radio Sta., from B. Ward, 513 31st Ave., Seattle, $7,290; Martin & Dugan Construction Co., Northern Bank Bldg., Seattle, $8,000; M. A. Benbennick, 718 8th St., Bremerton, $11,778.

Wash., Vancouver—Post Office—Government let contract to CAMPBELL BUILDING CO., Salt Lake City, Utah, $82,487. Noted July 20.

Ore., Umatilla—Canal Work—U. S. Reclamation Ser. let contract, Umatilla Project, to NEWPORT LAND AND CONSTRUCTION CO., Hermiston, $32,254.

Guam—Boilers, Etc.—Contract 2 boilers and stack for Naval Station let to E. KEELER CO., Williamsport, Penn., $18,624. Noted July 6.

CANALS, DITCHES AND IRRIGATION

Proposed Work

Mass., Newton—Drainage—Bd. Aldermen appropriated $6,000 to complete South Meadowbrook Drainage System.

N. Y., Albany—(Official)—Barge Canal Work—W. W. Wotherspoon, Supt. Pub. Wks., receiving bids Aug. 30 for improving New York State Canals, Contract No. 135, Erie Canal, Sect. 3, excavating point of land on south bank of Mohawk River between bridge and Dam No. 10 at Canajoharie. (See adv.)

N. Y., Albany—Barge Canal Work—Canal Bd. approved plans for Greenpoint Terminal, Brooklyn. About $193,500. E. S. Williams, Albany, State Engr. Noted July 20.

N. Y., Buffalo—Dredging—City and private corporations plan dredging channel in river basin. About $150,000.

N. C., Greenville—Drainage—Carolina Land and Development Co. making plans for drainage system to reclaim bottom lands of Clay Roof Creek, Pitt County. Elliott & Harman Engineering Co., 144 Fredonia Ave., Peoria, Ill., Engr.

Fla., New Smyrna—(Official)—Drainage—Lake Ashby Drainage Dist. receiving bids about Oct. 1 draining 48,000 acres. About $300,000. Clenralts & Keller, 233 East 2nd St., Jacksonville Engr.-in-Charge. Noted July 6.

Miss., Greenville—Drainage—Washington County organized Black Bayou Drainage Dist. to reclaim about 75,000 acres. Address County Clk., Greenville.

La., Alexandria — Drainage — Atchafalaya & Bayou Boeuf Levee Dist. soon makes surveys of Alexandria to Chatlains Lake Levee and completion of drainage survey from Three Prong Lake to Bayou Des Glaizes in Red River. Address State Bd. of Engrs., New Orleans Court Bldg., New Orleans.

Ind., Rochester—Ditches—Fulton County receiving bids Aug. 8. Address County Clk., Rochester.

Ill., Quincy—Reclamation—Lima Lake Drainage District made plans for reclamation work. About $300,000. E. T. Perkins Engineering Co., Engr.

Ill., Rockford—Drainage—Surveys made of Grove Creek District for drainage system. About $75,000. A. M. Ten Eyck and W. Nelly, Comrs.

Ill., Rock Island—(Official)—Drainage—Comr. Drury Drainage Dist., Rock Island County, soon receives bids for 9 mi. of levee along Mississippi River. Address Elliott & Harman Engineering Co., Peoria, Ill. (See adv.) Noted July 20.

Iowa, Ft. Madison—(Official)—Drainage—Lee County receiving bids Aug. 15 for levees and open ditches in Green Bay Levee and Drainage No. 2, Green Bay Township. A. P. Meyer, Ft. Madison, County Audr. (See adv.) Noted May 25.

Iowa, Ft. Madison—(Official)—Ditch and Levee—Bids soon, about 2,000,000 cu.yd. Suitable for drag-line, dipper and hydraulic or clam-shell dredge. G. B. Massey, Peoples Gas Bldg., Chicago Engr.

Iowa, Logan—Drainage—Harrison County plans to spend $85,000. Address County Clk., Logan.

Minn., Glencoe—Ditch—McLeod County making plans for Ditch No. 28. H. Von Hipple, Engr.

Minn., Glencoe—Ditches—McLeod County plans Ditches Nos. 29 and 30. F. D. Stocking, Audr.

Minn., Olivia—Ditch—Renville County making plans for Ditch No. 15. About $600,000. J. L. Johnson, Audr.

Minn., Olivia—Ditch—Comrs. Renville County receiving bids Aug. 15 for Ditches Nos. 59 and 67. L. C. Vader, Engr.

Minn., Olivia—Ditch—Renville County receiving bids Aug. 15 for County Ditch No. 63. About $365,000. J. L. Johnson, Audr.

Minn., Ortonville — Ditch — Bigstone County made plans for Ditch No. 12. A. V. Randall, Audr.

Neb., Rushville — Drainage — Horseshoe Lake Drainage Dist. receiving bids Aug. 15 for cleaning water course and ditch construction. About $20,000. P. E. Brown, 206 North Elm St., Gordon, Engr.-in-Charge.

N. D., Jamestown—Ditch—Stutsman County receiving bids Aug. 15 for Judicial Ditch No. 11. J. C. Jensen, Jamestown, County Audr.

Ark., South Bend—Drainage—F. O. Loudan making plans, about 19,000 acres, $40,000. White, Humphreys & Tovey, Little Rock, Engr.

Ark., Texarkana—Drainage—E. W. Frost and associates plan drainage district to reclaim about 12,000 acres near Homan.

Tex., Ballinger—Irrigation—C. A. Dailey, San Angelo, plans impounding reservoir on Oak Creek to irrigate 200 acres in Runnels County.

Calif., Lindsay—Irrigation—Bids received June 30 for irrigation works by C. W. Right, Secy., Lindsay Strathmore Irrigation District, rejected. New bids will be received. Stephen Kieffer, 57 Post St., San Francisco, Ch. Engr. Noted June 15.

Bids In and Contracts Awarded

N. Y., Albany—Barge Canal Work—W. W. Witherspoon, State Supt. Pub. Wks., received bids Terminal Contract No. 52, repairing and extending Pier 6, East River, New York, from Kaufman & Garcey, 51 Chambers St., New York, $91,-317; G. W. Rogers & Co., Inc., 29 Broadway, New York, $93,189. Noted July 6.

Ind., Warsaw—(Official)—Ditch—County let contract to W. J. DILLINGHAM DREDGING CO., Warsaw, $7,700.

Mich., Ann Arbor—Ditch—County Drain Comr. let contract cleaning Black Creek Drain to E. L. MINER, Coldwater, $5,046.

Wis., Brodhead—Drainage—Contract Broughton Drainage District let to WISCONSIN DRAINAGE CO., Elkhorn, $6,960.

Wis., Watertown—Ditch—Contract McHugh Town Ditch let to WISCONSIN DRAINAGE CO., Elkhorn, $4,499. Noted May 4.

Iowa, Emmetsburg—Ditch—County let contract Drainage Ditch No. 81, Des Moines River Open Ditch, to STERBURG BROS., St. Louis, Mo., $5.44 per cu.yd. Noted June 8.

Iowa, Nevada—Ditch—Bd. of Supervisors let contracts Milford Township Drainage Ditch No. 69 to MATHISON & SON, Nevada, $11,997 for labor, and MACOMB PIPE AND TILE CO., Macomb, Ill., $27,000 for material.

Iowa, Nevada — (Official) — Drainage — Story County let contract draining highways in northern Sherman Township and southern Lincoln Township for Highway Drainage Dist. No. 74 to BLAKEMORE & SCOTT, Nevada, $50,317. Noted July 13.

Minn., Ada—(Official)—Ditch—County let contract to R. M. LEE, Fertile, $4,575. Noted July 13.

Minn., Breckenridge—Ditch—Wilkens County let contract Ditch No. 1-B to NATIONAL DREDGING CO., Alexandria, $10,830.

Minn., Glencoe—Ditch—McLeod County let contract Ditch No. 27 to J. F. ALBRIGHT, Glencoe.

Minn., Montevideo—Ditch—Chippewa County let contract Ditch No. 11 to P. HALEY, Willmar.

Minn., St. Cloud—Ditch—Stearns County let contract Ditch No. 27 to POTTER DREDGING CO., Grand Rapids, Wis. About $21,692. Noted July 13.

Minn., St. Peter—Ditches—Comrs. Nicollet County let contract Ditches Nos. 54 and 58 to O. OLSON, 304 East 9th St., Blue Earth.

Minn., Walker—Ditches—Cass County let contract County Ditches Nos. 2 and 7 to E. E. GRIFFITH, Backus.

Mo., Clinton—Drainage—Pioneer Drainage District, Henry County, let contract main ditch, 9 mi. and 4 laterals, 2 mi., to A. V. WILLS, St. Louis, Mo. Noted July 6.

Wash., Tacoma—Dredging—Commercial Waterways Dist. No. 1 let contract, Hylebos Creek, to TACOMA DREDGING CO., Tacoma, $97,[illegible]. Noted Feb. 3.

Ore., Baker—Dam—Evans-Almirall Co., New York, let contract at Balm Creek Reservoir, Tilley Valley irrigation project, to J. A. HOSKINS, Baker, about $11,000.

MISCELLANEOUS

Proposed Work

Mass., Malden—Subway—Boston & Maine R.R. plans subway under tracks at Malden Station. About $11,000. A. B. Corthell, Boston, Ch. Engr.

N. Y., New York—(Manhattan)—(Official)—Track Installation—Pub. Ser. Comn., 120 Broadway, receiving bids Aug. 10 on portion of Broadway-Fourth Ave. Rapid Transit R.R.

N. J., Bayonne—Bulkhead—Bulkhead Meadow and Improvement Co. plans, 1st St. and Kill-von-Kull. Address Bd. City Com., Bayonne.

N. J., Hackensack—Piers—City retained Fred Dunham, City Hall, Jersey City, to make plans for piers on Hackensack River. Noted Feb. 17.

N. J., Union Hill—(Weehawken post office)—Fire House—City made plans, 1-story, 17x21-ft. addition. About $12,000. J. Lugesch, 21 Bergenline Ave., Arch.

N. J., Weehawken—Dock—North Hudson Chamber of Commerce plans dock along Hudson River. George Limouze, 43 Columbia Terrace, Weehawken, Secy.

Penn., Ambler—Elimination Grade Crossing—Philadelphia & Reading Ry. plans at Butler Ave. About $70,000. S. T. Wagner, Reading Terminal, Philadelphia, Ch. Engr.

Penn., Chambersburg—Swimming Pool and Locker Room—Wilson College making plans. About $8,000. Furness, Evans & Co., Provident Bldg., Philadelphia, Arch.

Penn., Ebensburg—Park Auditorium—Dauntless Fire Co. making plans, 2-story, 60x120-ft. About $20,000. J. Riley Gordon, 507 5th Ave., New York, Arch.

Penn., Mt. Lebanon—Tunnel—D. Yost, C. W. Scheck and E. W. Beach applied to State Com., Harrisburg, for incorporation of Peoples' Tunnel Co. to build tunnel from South Aide to South Hills.

Penn., Wilkinsburg—Market—Wilkinsburg Public Market Co. plans, Franklin Ave. and Mulberry St. J. M. Lindsay, 716 Lamar St., interested.

Md., Baltimore—Bulkhead—City plans bulkhead to reclaim 10 acres at foot of McComas St. About $30,000. H. Kent McCay, City Hall, Harbor Engr.

D. C., Washington—Mausoleum—Zeelopi Estate made plans, 1-story. About $25,000. Murphy & Olmsted, 1413 H St., N. W., Arch.

N. C., Beaufort—Seawall—City to issue bonds. Noted Feb. 17.

Miss., Biloxi—Seawall—City has made plans to protect beach front, plan 1, $205,177, plan 2, $123,672. J. D. Ferguson, City Engr. Noted June 8.

Miss., Gulfport—Breakwater—Bd. County Supervisors receiving bids Aug. 7 for protection breakwater with necessary earth work along sea coast of Harrison County. J. F. Galloway, Gulfport, County Engr.

Tenn., Chattanooga—Flood Prevention—Knight & Quayle, Consult. Engr., retained by local real estate interests to report on flood prevention and land drainage in connection with Tennessee River and Chattanooga Creek.

Tenn., Knoxville—Park Improvements—City making plans. About $50,000. Noted May 11.

Ohio, Dayton—Fire Station—City plans, 2-story, $20,000. G. A. Niehus, 25 Callahan Bldg., Arch.

Ohio, Lakewood—Park Improvements—City voted $150,000 bonds. E. A. Fisher, City Engr.

Ind., Ft. Wayne—Fire Station—City plans, 10th Ward. About $15,000.

Ind., Ft. Wayne—Retaining Wall—City making plans, along St. Joe River from State St. F. M. Randall, City Engr.

Ind., New Albany—River Front Improvement—Bd. Pub. Wks. plans. About $10,000. S. T. Mann, City Engr.

Iowa, Ft. Madison—Levees and Ditches—City plans levees and ditches, 2,000,000 cu.yd. G. B. Massey Co., Peoples Gas Bldg., Chicago, Engr.

Iowa, Muscatine—(Official)—Levee—Elliott & Harman Engineering Co., Peoria, Ill., making surveys along Mississippi River near Muscatine, about 23 mi. Noted Sept. 23.

Mo., Kansas City—River Improvements—Bd. Pub. Wks. making surveys and plans for improving Blue River. About $100,000. Harrington, Howard & Ash, Kansas City, Engr.

Ark., Hot Springs—Grandstand, Stables, etc.—Essex Park Racing Association plans. About $15,000. Address S. J. Davis, Hot Springs.

Tex., Beaumont—Docks—City soon votes on $45,000 bonds to complete dock system.

Okla., Oklahoma—Flood Protection—County plans to straighten channel North Canadian River from Oklahoma to Harrah, 170 mi. Address County Clk., Oklahoma.

Miscellaneous (Continued)

Bids In and Contracts Awarded

Mass., Falmouth—Breakwater—Harbor and Land Comn., Boston, received low bids, Waquoit Bay, Falmouth, from J. R. Burke, 78 Devonshire St., Boston, $2.95 ton for stone for breakwater; $3.95 ton for stone for wall; $4.90 lin.ft. piles and lumber.

N. Y., New York—(Bronx)—(Official)—Subway—Pub. Ser. Comn. let contract railroad duct line for Seventh Ave.-Lexington Ave. Rapid Transit R.R. to T. H. REYNOLDS CONTRACTING CO., INC., 13 Park Row, $10,007. Noted July 20.

Fla., Jacksonville—Dock—Bd. Port Comrs. let contract to C. T. DAWKINS, Jacksonville, $20,-540.

Ohio, Cleveland—Elimination of Grade Crossing—New York Central R.R. let contract steel and erection to KING BRIDGE CO., East 69th St. About $70,000.

Ill., Chicago—Foundation and Dock Work—J. V. Farwell & Co., Adams and Franklin St., let contract to RUUD-NILSEN CO., 140 South Dearborn St. About $100,000.

Wis., Milwaukee—Retaining Wall—Bd. Park Comrs. let contract along South Shore Park to EDWIN GILLEN & CO., $106,000. G. Staal, City Engr. Noted July 20.

Neb., Lincoln—Amusement Pavilion—City let contract, 2-story, 80x100-ft., to R. O. STAKE, 346 North 28th St. About $25,000.

Tex., Galveston—(Official)—Bulkhead—County let contract to M. C. BOWDEN, Galveston, $37,712. Noted July 6.

Calif., Venice—Bulkhead—City Council received bids July 10 for bulkhead along shore from Vista to Salt Air St. from Braum, Bryant & Austin, 1680 South 4th St., Santa Monica, $125,000, J. D. Kneen Contracting Co., Dudley Bldg., Santa Monica, $126,000, H. W. Schleuter, Ocean Park $126,640. Noted June 29.

B. C., Vancouver — Filling, Etc. — Canadian Northern Railway System let contract filling, etc., at head of False Creek, requiring 2,500,000 yd. of material and seawall to PACIFIC DREDGING CO., Vancouver. S. J. Hangerford, Toronto, Ont., Supt.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Mass., Athol—Library—Chn. Bldg. Com. receiving bids Aug. 5 for Carnegie Library. W. H. & H. McLean, 110 Tremont St., Boston, Arch.

N. Y., New York—(Manhattan)—Loft Building—I. R. Jacobs, C. H. Leland and A. E. Flint, 30 East 42d St., made plans, 16-story, 160-4 Madison Ave., about $550,000. Rouse & Goldstone, 38 West 32d St., Arch.

Md., Baltimore—Home—St. Elizabeth's Home plans, 3-story, about $150,000. Baldwin & Pennington, 330 North Charles St., Arch.

Va., Richmond—Store Building—J. B. Mosby & Co. making plans, 6-story, Broad and Jefferson St., about $150,000. Carneal & Johnston, Richmond, Arch.

W. Va., Charleston—Office—Kanawha Banking and Trust Co. plans, 10-story. F. Staunton, Pres.

Ga., Savannah—Auditorium—City receiving bids Aug. 16. About $150,000. Henrik Wallin, 23 Abercorn St., Arch. Noted May 11.

Fla., Miami—Church—First Baptist Church lets contract about Aug. 15, $65,000. Address J. H. Tatum, Miami. Noted June 22.

La., Shreveport—Sanitarium—Dr. Hendricks interested, 4-story, brick. About $80,000.

Tenn., Chattanooga — Church — First Baptist Church plans addition. About $40,000.

Tenn., Mufreesboro—High School—City votes Sept. 9 on $75,000 bonds. Noted July 20.

Ohio, Coshocton—School—Bd. Education receiving bids Aug. 8. F. L. Packard, Hayden Bldg., Columbus, Arch. Noted July 20.

Ohio, Lima—School—City votes Aug. 8 on $490,000 bonds. McLayghin & Hulsken, Lima, Arch.

Ohio, Middletown—High School—Bd. Education receiving bids Aug. 8, 2-story. About $200,-000. Noted July 20.

Ind., Bloomington—School—Bloomington Township receiving bids Aug. 7. J. R. McDaniel, Trustee.

Ill., Springfield—School—School Bd. receives bids Aug. 8 for $100,000 bonds.

Minn., Tofte—School—School Dist. No. 7 receiving bids Aug. 5. Kelly & Williams, 404 First National Bank Bldg., Duluth, Arch.

Kan., Vinland—High School—Bd. of Education receiving bids Aug. 8. T. W. Williamson & Co., Topeka, Arch.

N. D., Robinson—School—Lincoln School Dist. No. 4 receiving bids Aug. 11. C. J. Wicks, Clk. G. R. Horton, Arch.

Calif., Woodland—(Official)—Courthouse—Yolo County receiving bids Aug. 14. About $200,000. H. R. Saunders, Woodland, County Clk. Noted July 13.

Que., Montreal—Deaf and Dumb Institute plans building on St. Lawrence Blvd., about $280,000. Gauthier M. Dacust, 180 St. James St., Arch.

Bids In and Contracts Awarded

Maine, Sanford—(Official)—High School—City let contract to A. F. WARREN & SON, Auburn, $46,444. Noted Mar. 23.

N. Y., Purchase—Community Building — Town let contract to F. N. GOBLE, 1 East 42nd St., New York, about $100,000. Noted July 20.

Penn., Chambersburg—Penn Hall Preparatory School let contract gymnasium, swimming pool and dormitories to C. E. CUMP, 142 Park Ave. About $25,000.

Fla., Seabreeze—Hotel—Clarendon Hotel let contract addition to G. A. FULLER CO., Fuller Bldg., New York.

La., Monroe—Temple—Western Star Lodge No. 24, F. & A. M., let contract to BURKES CONSTRUCTION CO., INC., Hattiesburg, about $70,-000. Noted May 4.

Tenn., Chattanooga—Office—Volunteer Life Insurance Co. let contract, 12-story, to H. D. WATTS & CO., Atlanta. About $330,000. Noted Feb. 24.

Ind., Anderson—(Official)—Y. M. C. A. let contract 4-story building to P. H. LORENZ, Moline, Ill., $133,340. Noted June 29.

Mich., Ann Arbor—Library—University Michigan let contract to SELDENBRECK CONSTRUCTION CO., about $350,000. Noted June 8.

Ill., New Berlin—High School—Bd. Education let contract to J. LORSCHUDER, Springfield. Noted June 29.

Wis., Superior — Theater — Palace Theater let contract to A. DAUPLAISE, $100,000.

Minn., Hibbing—Courthouse—City let contract to HUGH FAWCETT, Duluth, $78,495. Noted July 13.

Neb., Lincoln—(Official)—University of Nebraska rejected bids received July 22 for building. J. S. Dales, Secy., Bd. of Regents. Noted July 6.

Neb., Omaha—School—Rasmussen Construction Co., Woodmen of the World Bldg., low bidder for 2-story Bancroft School. About $80,000.

Wyo., Basin—Hospital—Contract Carter Hospital let to W. W. SPROUT, Casper, $48,976.

Ark., Greenwood—Courthouse—City let contract to T. T. REDDICK, Ft. Smith, $62,500. Noted July 13.

Tex., El Paso—Cathedral—Contract St. Patrick's Cathedral let to KROGER, MAYFIELD & SHAW CO. About $150,000

Okla., Muskogee—C. W. Raymond let contract business building to C. L. DICKMAN, Muskogee, $40,000.

Idaho, Wallace—Bank—First National Bank let contract, 2-story, 50x50-ft., to WASHINGTON CONSTRUCTION CO., Northern Bank Bldg., Seattle, Wash. About $50,000.

SPECIAL OPPORTUNITIES SECTION

Contracts To Be Let

Bids received until Aug. 15, 1916.

Street Improvement

Albemarle, N. C.

Sealed proposals will be received for the materials and labor in connection with the improvement of certain streets of the Town of Albemarle, N. C., by the Mayor and Board of Aldermen of said Town, until three (3) o'clock P.M. of Tuesday, August 15th, 1916, when they will be opened and publicly read.

The specifications cover sheet asphalt, bituminous concrete, brick and durax block, and in addition to the above, proposals will be considered upon other types of pavements. Work contemplated will also include grading, furnishing, placing and constructing granite curb; vitrified brick and concrete gutters; concrete curb and gutter, and the installation of storm drains.

Bids are asked upon approximately 25,000 square yards of pavement, with alternative bids upon approximately 50,000 square yards. The pavement will be constructed from one or more of the classes mentioned above as may be selected by the Town, and the entire work to be done will be awarded under one or more contracts as the Town may elect.

Plans and specifications may be examined at the office of the Town Clerk or at the offices of the Engineers. Specifications may be obtained by prospective bidders by addressing the Engineer in Charge at Albemarle or the Consulting Engineers at Wilson, N. C., and making a deposit of $10.00, which deposit will be refunded upon the return of the specifications in good condition.

Each proposal must be accompanied by a certified check in the sum of five (5%) per cent. of the amount bid, as evidence of good faith upon the part of the bidder.

The Town reserves the right to reject any or all bids or accept any which may seem to it to be to the best interest of the Town of Albemarle.

M. J. HARRIS, Mayor.
E. L. HEARNE, Clerk.
J. D. SPINKS, Engineer in Charge.
ANDERSON & CHRISTIE, INC.,
Consulting Engineers, Charlotte, N. C.

Bids received until Aug. 18, 1916.

Refuse Destructor

City of New Rochelle, N. Y.

Sealed Proposals will be received by the Commissioner of Public Works of the City of New Rochelle, N. Y., until Eleven o'clock on the morning of August 18th, 1916, for the Construction of Refuse Destructor, in accordance with specifications now on file in said office.

Each bidder must furnish his own design and detailed specifications of the plant he proposes to build.

The proposals must be accompanied by a certified check for two thousand five hundred ($2,500.00) Dollars, payable to the Commissioner of Public Works, the same to be forfeited to the Commissioner if the person or persons to whom the Contract may be awarded shall neglect or refuse to execute the same within five days after notification by the Commissioner that his or their proposal has been accepted.

The right is reserved to reject any and all bids.

JOHN A. HADERT,
Commissioner of Public Works.
New Rochelle, N. Y., August 2, 1916.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 1, 1916.—Sealed proposals will be opened in this office at 3 p.m., October 2, 1916, for mail-handling devices, etc., in the United States post office at Denver, Colo., in accordance with specification and drawing, copies of which may be obtained at this office, in the discretion of the Supervising Architect. JAMES A. WETMORE, Acting Supervising Architect.

GATE-OPERATING MACHINERY—U. S. Engineer Office, Wheeling, W. Va.—Sealed proposals will be received here until 11 a.m. (Eastern time), August 14, 1916, and then opened, for furnishing and delivering gate-operating machinery at Dams Nos. 16 and 17, Ohio River. Information on application.

SPECIAL OPPORTUNITIES SECTION

Contracts To Be Let

Bids received until Aug. 9, 1916.

Water and Electric Lighting Systems

Glasgow, Mont.

Sealed bids will be received by the Board of County Commissioners of Valley County, State of Montana, at the office of the County Clerk and Recorder and ex-Officio Clerk of the Board of County Commissioners of said county, up to two o'clock P.M., on the 9th day of August, 1916, for the construction and installation of a complete water system and electric lighting system, consisting of one (1) building 27x30 feet in size; one (1) reinforced-concrete reservoir; approximately 6,150 feet of eight (8) inch wood stave pipe; approximately 7,550 feet of four (4) inch wood stave pipe; approximately 1,860 feet of six (6) inch wood stave pipe; approximately 4,125 feet of four (4) inch cast-iron pipe; approximately ten (10) hydrants; three (3) eight (8) inch valves; two (2) six (6) inch valves; two (2) four (4) inch valves; two (2) twenty-five (25) HP. crude oil engines; one 37½ K.V.A. generator and switchboard and power line; one (1) eight (8) HP. oil engine and 125-gallon pump, and fifteen (15) street lights, pole line and wiring in the Hinsdale Special Water and Electric Light Improvement District No. 1, in Valley County, State of Montana, all according to the plans and specifications on file in the office of the Clerk and Recorder and ex-Officio Clerk of the Board of County Commissioners of Valley County, State of Montana, at the town of Glasgow, Montana, and the office of H. H. Alvis, Consulting Engineer, at Malta, Montana.

All bids must be accompanied by a certified check for ten (10) per cent. of the amount bid. The Board of County Commissioners reserves the right to reject any or all bids.

By order of the Board of County Commissioners of Valley County, State of Montana. W. B. SHOEMAKER,
Clerk and Recorder and ex-Officio Clerk of the Board of County Commissioners of Valley County, State of Montana.

Bids received until Aug. 15, 1916.

Levees and Open Ditches

GREEN BAY LEVEE AND DRAINAGE DISTRICT NO. 2.

Fort Madison, Iowa.

Sealed bids will be received in County Auditor's office in Fort Madison, Iowa, until 10:00 o'clock A.M. on the 15th day of August, 1916, for the construction of the levees and open ditches in the Green Bay Levee and Drainage District No. 2, Green Bay Township, Lee County, Iowa, according to plans and specifications on file in the Auditor's office, divided as follows:

Sections	Cubic Yards	
No. 1. Levee along roadway in Sections 4-5, Twp. 68 N., Rg. 3 W.	12,000	
(To be completed on or before May 1st, 1917. Scraper work.)		
No. 2. Skunk River Levee to Peel Slough	246,300	
Lost Creek Levee above elevation 524	56,600	
Ditches above elevation 524	129,700	
		432,600
(To be completed on or before Decenfber 31, 1917. Best fitted for dragline machine 60 to 80 foot boom, 2½-yard bucket.)		
No. 3. Muck Ditch under Mississippi River levee	179,800	
Ditches below elevation 524, except ditch marked Main "A" on plat	95,900	
		275,700
(To be completed on or before December 31, 1917. Best fitted for small dipper dredge, 1 or 1¼ yard.)		
No. 4. Lost Creek Levee below elevation 524, Mississippi River Levee; Skunk River Levee from Pool Slough to Station "O"	1,048,100	
(To be completed on or before May 1, 1918. Best fitted for hydraulic dredge or clamshell, 125 foot boom, 4½-yard bucket.)		
No. 5. Main "A" as marked on plat	66,900	
		1,115,000
(To be completed on or before May 1st, 1918. Best fitted for small dipper dredge; 1 or 1¼ yard.)		
Total cubic yards		1,835,300

(Levee work includes clearing base of timber, sheet piling and riprapping.)

The Board shall award contract or contracts for each section of the work to the lowest responsible bidder or bidders therefor, bids to be submitted, received and acted upon separately as to the levees, main drain and each of the laterals, exercising their own discretion as to letting such work as to the levees and main drains as a whole, or to each lateral as a whole, or by sections as to both levees, main drains and laterals, and reserving the right to reject any and all bids and readvertise the letting of the work. Each person bidding for such work shall deposit in cash or certified check a sum equal to ten per centum of the amount of the bid, not in any event, however, to exceed ten thousand dollars, said deposit to be returned to him if his bid is not successful, and if successful to be retained as a guarantee only of his good faith in entering on said contract. The successful bidder shall be required to execute a bond with sufficient sureties in favor of the County for the use and benefit of the levee and drainage district, in an amount equal to twenty-five per centum of the estimated cost of the work so let, or he may deposit such amount in cash with the Auditor as security for the performance of his contract, and upon the execution of such bond, or the making of such deposit, the deposit originally made with his bid shall be returned to him.

Bids upon the work as a whole will be considered.

Funds on hand for cash payment of monthly estimates.

Ample electric power is available at low rates.

The estimated total cost is about $260,000.00.

Special facilities for seeing the work will be provided on Monday, July 31st; Monday, August 7th, and Monday, August 14th, starting from Hotel Anthes, Fort Madison, Iowa, at 9:00 A.M.

Plans and Specifications will be furnished by Edmund T. Perkins, 1211 First National Bank Building, Chicago, Illinois, upon deposit of $20.00, which deposit will be refunded upon return of the Plans and Specifications in good order within ten days after awarding of contract.

A. P. MEYER, Auditor,
Lee County, Iowa.

Bids received until Aug. 8, 1916.

Water Supply

Oxford, N. Y.

Sealed proposals for Water Supply for New York State Women's Relief Corps Home, Oxford, N. Y., will be received by Mrs. Georgiana Griffith, President, Board of Managers, Women's Relief Corps Home, Oxford, N. Y., until 2:30 o'clock P.M. on Tuesday, August 8, 1916, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent. (5%) of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent. (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 2301, and Addenda dated July 5, 1916. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the Women's Relief Corps Home, Oxford, N. Y., at the New York Office of the Department of Architecture, Room 1224 Woolworth Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

July 18, 1916.

Drury Drainage District

Rock Island County, Illinois.

NOTICE TO LEVEE CONTRACTORS

Peoria, Ill.

Sealed bids will be received by the Commissioner of the Drury Drainage District, Rock Island County, Illinois, for the repair and rebuilding of about nine miles of levee along the Mississippi River. This work can be done by hydraulic dredge.

For further information address Ellicott & Harman Engineering Co., Peoria, Illinois.